

A. E. Benz

OHIO UNIVERSITY

BULLETIN

FIRST SESSION
JUNE 13—AUGUST 5

POST SESSION
AUGUST 8—AUGUST 27

1938
SUMMER
SESSION

OHIO UNIVERSITY · ATHENS, OHIO

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THE SUMMER SESSIONS CALENDAR

Registration — Men's Gymnasium	Monday, June 13
Classes Begin	Tuesday, June 14
Annual Summer Conference	
Applications for Graduation Due in Office of Registrar	Monday, June 13-Saturday, June 18
Deans of Women Short Course	Wednesday, June 15-Wednesday, June 29
The Educational Exhibit	Monday, June 20-Saturday, July 9
Master's Theses Due in Office of the Dean, Graduate College	Tuesday, August 2
Baccalaureate Sunday	Sunday, July 31
Final Examinations — All Courses	Wednesday P.M., August 3 Thursday, August 4 Friday A. M., August 5
August Commencement	Friday, August 5
Registration —POST SESSION — Office of the Registrar	Friday P.M., August 5 - Monday A.M., August 8
Classes Begin	Monday P.M., August 8
Final Examinations — All Courses	Friday P.M., August 26
POST SESSION Closes	Saturday, August 27

1938

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First Summer Session . . . June 13 - August 5

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Wilbur, Oswego, N. Y. - Indus. Arts.



FOREWORD . . .

THE student personnel in a summer session is recognized as being different collectively and individually. It is not the same student body at all as that which finished an academic year in June. The few undergraduates who remain for the summer session quickly conclude that they are now members of classes of mature, experienced persons who are earnest for personal and professional improvement. The summer students have reached the same conclusion and the shortened session is expected to pay high educational returns. It usually does. The content and presentation of the work in courses are adapted to this different student group. Courses not appearing regularly in other sessions of the year are offered to meet specific group needs. The transfer of that studied to life off the campus is more direct and seemingly more applicable.

Specific goals and marked purpose characterize the study and the student. Intensive pursuit in professional courses is tempered by wide reading and thought in fields which broaden understanding and attitudes. Teachers who make up so large a part of the student body elect courses in arts and sciences for development as workers and citizens at large. They follow the practicum in education the better to help others learn. Teaching is always less a matter of furnishing information and more that priceless guidance of the educand. As perhaps never before in so great a measure, teaching requires broader experience with and insight into the affairs of men and of nations. Teaching is so largely interpretation.

Each summer the course offerings in the University are selected and directed to secure for the students this broad human sympathy blended with the narrowness requisite to specialization. A cross-section of the wide program of the school year is made available, often with difficulty, to insure a satisfaction of interests and needs. Class meetings, laboratory, field trips, social practice, lectures, convocations, and conferences—in short, the whole of the experiences from day to day are pointed for this maximum benefit for a growing student body. It is with high hope that the program of study for 1938 is announced in this writing. Never before has the world needed more educated men and women. The University shall have done that which is expected of it if it shares this summer in developing superior men and women.

Undergraduates who have course requirements to fulfill, graduate students engaged in advanced work, those who seek study in order to know more, and teachers who desire to teach the better to children's profit have all been instrumental in determining the University's offerings for the sessions which begin in June and in August.

EINAR A. HANSEN, *Director.*

GENERAL INFORMATION

ADMISSION

All correspondence regarding admission of students to the summer sessions of the University should be addressed to the Registrar, Ohio University, Athens, Ohio. An application blank and all credentials for admission should be presented to the registrar's office not later than one month preceding the opening of the summer session. If it is impossible for a student to have his credentials forwarded at that time, he should attach the necessary explanation to his application for admission. Not even temporary admission is granted in the absence of proper credentials. All credentials of matriculated students are filed in the registrar's office and remain the permanent property of the University.

FRESHMAN STUDENTS. The University admits without examination all graduates of high schools in Ohio which are on the approved list of the State Department of Education. A student who has completed fifteen acceptable units with high grades in an accredited high school may be admitted upon the recommendation of the high school principal. An out-of-state student is accepted if he can qualify for admission to the state university of his state. A resident of a state which does not support a state university of the same general scope and standard as Ohio University is admitted if he ranks in the upper two thirds of his graduating class.

TRANSFER STUDENTS. A student transferring from another college or university must present an official transcript of all high school and college credits, including a statement of honorable dismissal from the school last attended. A student enrolled in another college or university who transfers for the summer session only needs to present a statement of good standing from the school he last attended or a statement of graduation.

A student who desires to receive credit for work done in unaccredited schools should make application to the registrar for permission to take examinations for advanced standing. The application should be made at the time of admission and not later than two weeks after matriculation. The examinations for advanced standing must be taken during the first summer session of the student's attendance. A fee of \$1 is charged for each examination.

COLLEGE ABILITY TEST. *A student entering Ohio University for the first time is required to take the college ability test. A notice giving date, place, and hour of the test is sent to the student with admission credentials. A student who fails to take the test at the appointed time or who applies for admission too late to take the test at the time scheduled is required to take the test at a later date and pay \$1 to cover the expenses incurred.*

A student who transfers from an accredited college and presents a satisfactory statement concerning the test name, the score, and the percentile is excused from this requirement. A transfer student who fails to present a certified satisfactory record in time to be excused from the first scheduled

test is required to take the test at a later date and pay \$1 if his test record when presented is not satisfactory. A transfer student who attends the University only during a summer session is excused from the requirement.

GRADUATE STUDENTS. Application for admission to the Graduate College is made on a blank obtained from the registrar. The application accompanied by official transcripts of a student's college record and degree, except when a student has been graduated from Ohio University, must be sent to the registrar. Only graduates of accredited institutions are accepted for admission.

SPECIAL STUDENTS. A student who has not graduated from high school and who is not less than twenty-one years of age is admitted as a special student if he passes the College Ability Test.

AUDITORS. A student who is a graduate of an accredited high school or who is not less than twenty-one years of age may enroll as an auditor. A written permission from the instructor of the class the student wishes to audit must be presented to the registrar's office. A fee of \$2 is charged for each semester hour of the subject. Registration must be made in the registrar's office on the regularly scheduled days.

Additional information concerning admission may be found in the general catalog.

REGISTRATION

PROCEDURE. A student registers in the men's gymnasium at the time indicated on his permit to register. A student who has been accepted for admission receives his permit by mail with other admission material. A former student obtains a permit to register from the registrar's office by request, either in person or by mail. Details concerning the registration procedure are given in the schedule of recitations obtained in the registrar's office.

LATE REGISTRATION. For regular students a fee of \$1 is charged for late registration, with the addition of \$1 for each day late. Special students who enroll as auditors, as graduate students taking work on a conference basis, or as music specials are charged a late registration fee of \$1 for each week late. The maximum late registration fee is \$5. The penalty goes into effect immediately after the close of the registration period as given in the calendar. Even though a student may receive permission to register after the regular registration period has closed, he is required to pay the penalty for late registration.

STUDENT LOAD. A student's normal load is eight hours. Permission for an additional load is obtained from the dean of the college in which the student is enrolled or from the Executive Committee when the dean wishes to present the student's petition. The extra-hour permit card given to the student must be presented during the registration process.

CHANGE ORDERS. A student who finds it necessary to add or drop a course must make a written application in the office of the dean of the college in which he is enrolled. The change order issued by the dean is not

in effect until it has been presented to and accepted by the registrar's office. A student who withdraws by change order within the time allowed for unqualified withdrawal will have the course he has dropped removed from his registration record.

If the application for the addition of a course is made one week after the opening of the summer session, the application for the change must be approved by the Executive Committee.

If the application for the withdrawal of a course is made three weeks after the opening of the summer session or one week after the opening of the post summer session, the change order will result in the recording of the grade WP or WF on the student's record. WP indicates that a student is passing at the time of withdrawal; WF, that a student is failing.

CHANGE OF COLLEGE. A student who wishes to change from one degree granting college to another should make application for the transfer before or during the registration period. The application is made in the office of the dean of the college in which the student is enrolled. The change does not go into effect until the application, signed by the two deans concerned, is presented to the registrar for approval and the transfer fee of \$2 has been paid.

CHANGE OF ADDRESS. If a student changes his home or Athens address after registration, he is expected to notify the registrar in writing at once. Forms are available in the registrar's office. The student is held responsible for any university office communication sent to him at the last address given.

WITHDRAWAL. A student may officially withdraw from the University by presenting to the registrar's office a withdrawal order issued by the dean of the college in which the student is enrolled. An official withdrawal is not granted to a student who is financially indebted to the University.

A statement of good standing or honorable dismissal is not made for a student who is on scholastic probation, who has been dropped from the University, or who is financially indebted to the University.

GENERAL REGULATIONS

CREDIT. Credit is expressed in semester hours. A semester hour is the equivalent of one recitation or two or more laboratory periods a week throughout a semester of eighteen weeks, or two recitations or four or more laboratory periods during the summer session of eight weeks.

GRADING SYSTEM. A, very high; B, high; C, average; D, passing; E, conditioned; F and Fx, failure; I, incomplete; W, withdrawn; WP, withdrawn passing; WF, withdrawn failing. A detailed description of the non-passing grades is given in the general catalog.

EXCESS ABSENCES. Students are required to attend classes regularly, but a student is allowed a number of absences in a course not to exceed the number of hours credit for the course. A student who has more absences than the course allows is excluded from the class and is re-instated in accordance with the regulations given in the general catalog.

POINT SYSTEM. For each semester hour of credit with the grade of A, a student receives three points; B, two points; C, one point; D, no points; E and I, no points until the final grade is determined; F, Fx, and WF, no points. WP does not affect a student's scholastic average.

REPORTING OF GRADES. Grades for all students are reported to the registrar's office at the end of each summer session. No grades are recorded for auditors. E, F, Fx, I, and WF grades are reported by mail to the student immediately after the close of the summer session. The student is requested to leave at the registrar's office, about three weeks before the close of the session, a stamped self-addressed envelope containing his record book. If the student desires an official certification of credit, he should place a note requesting the statement in the envelope.

PROBATION. The scholastic probation regulations are given in the general catalog.

FINAL EXAMINATIONS. Final examinations begin on Wednesday afternoon of the last week of the summer session.

TRANSCRIPTS. A transcript of record is an official copy of a student's record which is issued by the registrar's office upon request. Each student is entitled to one transcript free of charge. A charge of \$1 is made for each additional transcript.

A student who wishes to transfer to another college or university should request the registrar's office to send an official transcript to the school.

GRADUATION

APPLICATION. A candidate for a degree or a diploma must file his application for graduation in the registrar's office not later than the dates given in the university calendar. The diploma fee for a degree is \$5; for a two-year diploma, \$2.50. The penalty for application after the time assigned is \$1. If an applicant fails to meet the requirements for graduation, he is required to re-apply and pay a re-application fee of \$1.

COMMENCEMENT. Degrees and diplomas are granted at the commencement exercises held at the end of the first summer session. Attendance at commencement is required. Diplomas are mailed to the students at the close of the post summer session. A student may be excused from commencement exercises by the permission of the President of the University and the dean of the college, and will be assessed a fee of \$5. Application for the excuse is made in the office of the dean in which the student is enrolled.

IN ABSENTIA. A student who has been given permission to complete the requirements for a degree or a diploma in absentia will be expected to comply with all requirements and with all the graduation regulations with the exception of attendance at the commencement exercises. Students graduating in absentia are designated on the commencement program.

HONORS. A candidate for a bachelor degree who graduates with high scholastic average is distinguished on the commencement program by the notation "With highest honor" or "With high honor." A student who makes

a scholastic average of 2:50 or above graduates "With highest honor." A student who makes a scholastic average of 2.000 or above, and below 2.50, graduates "With high honor." A transfer student is similarly distinguished if his entire record meets the requirements.

FEES AND DEPOSITS

Fees are assessed at registration time and are payable at the treasurer's office on registration days. There is an additional fee for late registration or late payment of fees. The treasurer accepts cash, postal money orders, express money orders, and approved personal checks written for the exact amount of the obligation.

Teachers who are forced to register after the opening date of the session in June due to the late closing of the schools where they are employed will be excused from payment of the penalty fee for late registration upon presentation of written statements by their school superintendents.

REGISTRATION

THE SUMMER SESSION—

*Registration Fee—General, for legal residents of Ohio	\$20.00
**Registration Fee—General, for non-residents	32.50
Registration Fee—A.L.E., for all students	2.50
Library Fee, for all students	1.00
Health Fee, (not assessed for graduate students enrolled for work on a conference basis and music specials)	1.00
Registration Fee—General, for part-time resident students (less than 5 semester hours) for each semester hour	3.00
Registration Fee—General, for part-time non-resident students, for the first semester hour	5.00
for each additional semester hour	4.50

THE POST SUMMER SESSION—

*Registration Fee—General, for legal residents of Ohio, for each semester hour	\$ 5.00
**Registration Fee—General, for non-residents, for the first semester hour	7.00
for each additional semester hour	6.50
Library Fee, for all students	1.00

AUDITORS—

Registration fee in any session, for each semester hour	\$ 2.00
Library Fee	1.00

*A person is entitled to register as a resident of Ohio, who at the time of his first enrollment in the University, has been a resident of the State of Ohio for twelve consecutive months next preceding the date of his original enrollment. No person shall be considered to have gained or lost a residence in the state for the purpose of registering in the University by any conduct of his own while he is a student in the University. A person whose legal residence follows that of other persons shall be considered to have gained or lost legal residence in this state for such purpose while a student in the University according to changes of legal residence of such other persons, except that such legal residence shall not be considered to be so gained until twelve months after such persons become legal residents of this state.

The residence of minors shall follow that of the legal guardian, regardless of emancipation; but in case a resident of Ohio is appointed guardian of a non-resident minor, the legal residence of such minor for the purpose of this rule shall not be considered to be established in the State of Ohio until the expiration of twelve months after such appointment.

**Students coming from states which do not have state universities similar in scope and standards to Ohio University pay a registration fee of \$95. These states are: Massachusetts and New York.

MUSIC

(These fees are in addition to registration fees)

Percussion, String, and Wind Instruments, Organ, Piano, Voice	
for one lesson a week.....	\$ 7.50
for two lessons a week.....	12.00
Ensemble Conducting, for a major in the course.....	12.00
Harmony, private instruction.....	8.00
Music Practice Room	
Percussion, String, and Wind Instruments, Piano, Voice	
for each semester hour.....	2.00
Organ, for each semester hour.....	7.00

MISCELLANEOUS

Bureau of Appointments, registration fee.....	\$ 1.00
Change Order	1.00
Class Re-instatement	1.00
College Ability Test not taken at the designated time.....	1.00
Examination for advanced standing, each examination.....	1.00
Graduation—	
Application for degree.....	5.00
Application for two-year teacher's diploma.....	2.50
For re-application	1.00
Penalty for late application.....	1.00
Excuse from commencement.....	5.00
Infirmary, hospital service for each day.....	1.50
Late registration	1.00
Late registration or late payment of fees, each day late.....	1.00
For auditors, graduate students enrolled for work on a conference	
basis, and music specials, each week late.....	1.00
Maximum penalty	5.00
Record Book (after the first book).....	1.00
Transcript of record (after the first transcript).....	1.00
Transfer from one bachelor's degree granting college to another.....	2.00

LABORATORY EXPENSES

Laboratory fees are assessed at the rate of one dollar for one semester hour of credit. Laboratory fees are indicated in the description of the course. See COURSES OF INSTRUCTION. These fees are assessed and must be paid at registration time.

A breakage deposit of \$3 is required in Chem. 1, 2, 3, and 4. In all other laboratory courses in chemistry, a breakage deposit of \$5 is required. When the fee is paid, a deposit card is issued to the student. This card is deposited by the student with the Department of Chemistry and entitles the student to a desk properly supplied with apparatus. Any needed supplies are checked from the card and any unused portion of the fee is returned at the end of the summer session or upon official withdrawal from the course.

REFUND OF FEES

In case of a student's voluntary and official withdrawal from the Uni-

versity, a refund of a part of the fees is made according to the following schedule:

THE SUMMER SESSION:

1. Within the first week, 75 per cent refunded.
2. After first week, from second to third weeks, inclusive, 50 per cent refunded.
3. After third week, no refund.

THE POST SUMMER SESSION:

1. Within the first week, 50 per cent refunded.
2. After first week, no refund.

No refund, however, is made until a period of thirty days has elapsed subsequent to the official withdrawal of the student from the University. No refund is made to a student who is indebted to the University.

When a student withdraws from a laboratory course by change order, a refund of the laboratory fee is made immediately according to the above schedules.

LIVING ACCOMMODATIONS AT OHIO UNIVERSITY

RESIDENCE HALLS FOR WOMEN. Lindley and Boyd Halls will be open for the summer of 1938 to women students. Furnishings of the rooms include everything necessary except such personal articles as towels, soap, dresser coverings, cushions, pictures, etc. Double rooms rent for \$2.50 per week per person, single rooms \$3.25. Board is \$4.50 per week. The dining room for the two halls will be in Lindley Hall. Rent is due at the beginning of the summer for the entire session of eight weeks. Assignments in Lindley Hall will be made by Miss Mary Louise Field; for Boyd Hall, by Miss Will-anna Riggs. A request for an assignment should be accompanied by a retaining fee of \$5. Remittance should be made by money order or check made out to Ohio University. Early applications are recommended and may be made either through the respective head of residence hall or through the office of the dean of women. In case of late registration, a room may be held providing the rent is paid for the entire eight weeks. No room will be held unless it is secured by the \$5 retaining fee. Information about rooms in private homes may be obtained upon personal application to the Secretary of Housing, at the office of the dean of women. The office does not send out addresses by mail.

ROOMS AND BOARD FOR MEN. Men students are required to live in approved rooming houses. The Palmer Hall will be available as a residence for men students during the 1938 summer session. Double rooms may be secured for \$2 per week; single rooms, \$3 per week. Applications for rooms at Palmer Hall should be filed at the office of the dean of men.

Rooms in private homes which have been inspected and approved are listed in the office of the dean of men. Rates for rooms in private homes vary as follows: \$1.50 to \$2.50 per week per person for double rooms and \$2 to \$4 per week for single rooms. Board may be secured at restaurants, a few private boarding houses, and the University Cafeteria (in the Agricultural Building) at reasonable prices.



FACILITIES FOR INSTRUCTION AND SPECIAL ADVANTAGES

The entire University plant is in operation to offer educational opportunities to summer session students. Certain units are described below in order the better to make clear uses which may be made of them during the summer.

THE UNIVERSITY LIBRARY

The University Library contains 110,105 volumes and receives about 450 periodicals annually. The comparatively new building has reading and seminar rooms with a seating capacity of 600. A seminar room and stack carols are set apart for the use of graduate students. The stacks, consisting of six floors, and periodical and reference rooms will accommodate 250,000 volumes. It is a designated depository of United States documents.

During the past year, the library has been the recipient of several gifts: The Evolution of Counties in Ohio, which is the original copy, presented by the author, William E. Peters. The development and progress of the counties is shown in a series of maps; Dr. Edwin Watts Chubb sent from England Reid's picture of the Canterbury Pilgrims, which now hangs in the reserve room; Mrs. Marie Martin, grand-daughter of Thomas Ewing, has given his honorary membership in the Philomathean Society. This membership, beautifully engraved in Latin on vellum, was presented to Thomas Ewing in 1826.

In the art gallery are hung exhibitions lent by art museums, dealers, and artists. There is also a permanent collection of paintings owned by the university.

An unusual feature of the library is the juvenile room, which is open to the children of the town, and which cares for the needs of the public schools. It gives student teachers an opportunity to become familiar with a well chosen collection of children's literature and to learn how a model children's room should be equipped and administered.

During the summer session, the library is open daily, except Sunday, from 6:50 A. M. to 9:30 P. M. Books belonging to the reference collections, rare and unusual books, bound periodicals, and documents are not circulated. Books reserved for use in connection with current courses are lent only over night and not until after 9:00 P. M. All other books may be borrowed for a period of two weeks.

The stacks are open to faculty, graduate students and seniors. All others must call for their books at the circulation desk.

MUSEUM

The Museum, which contains more than 75,000 specimens, is located on the second floor of the Agricultural and Household Arts Building. The earliest recorded specimen, received in 1823, was a section of basalt from one of the pillars of the Giant's Causeway on the coast of Ireland.

The collection of rocks, minerals, and fossils number more than 30,000. There are sands, clays, and clay-products; Indian implements and utensils; stone and metal products of historic and economic interest; war materials and the fighting implements of various races; and lamps and lighting devices from the earliest ages. The plant collections include an herbarium of about 750 local species of plants, and extensive seed collection, weeds, and various plant products. Among the animal exhibits are found sponges, jellyfishes, corals, various parasitic worms, starfish, and sea urchins; while the mollusca collection ranks among the best shown in American museums. There is also a collection of fishes, amphibians, reptiles, birds, and mammals.

Teachers are invited to make a wide use of the collection in their special fields of interest. An attendant will be on duty, during each afternoon of the session.

BUREAU OF APPOINTMENTS

Ohio University maintains a Bureau of Appointments to assist graduates to find positions in the teaching field or in other fields such as engineering or business. The service is extended to those seeking initial placement and to those who seek advancement to more desirable positions. Registration with the bureau makes possible the complete collection of pertinent information which may be offered conveniently to persons interested in securing employees.

All students should register with the bureau early in the senior year; those completing the two year diploma courses, in the second year. All records are kept up-to-date so that complete information may be available for immediate use.

SPECIAL SHORT COURSES AND CONFERENCES

The 1938 Summer Session will offer several short courses which have proved valuable to deans of women and advisers of girls and to athletic coaches. They are being scheduled in response to educational needs which Ohio University is particularly staffed to answer with its own faculty and visiting lecturers.

DEANS OF WOMEN AND ADVISERS OF GIRLS. A short course for Deans of Women and Advisers of Girls, will be offered from June 15 to June 29, inclusive, without credit.

This course is designed particularly for those who are engaged in the work of advising and counseling, as well as those seeking to know more about the field before making a final decision relative to entering it. The course will consist of seminars, lectures, round tables, forums, and social hours. Four hours daily will be spent in class room work. Minor research problems will be carried on in closely related fields of interest, and in so far as time permits, a survey will be made of literature and studies in the field of guidance. The course will be directed by Dean Irma E. Voigt. Lectures from the fields of philosophy, education, psychology, and sociology will give addresses and lead discussions. Much pleasure and value will be derived from the housing arrangement by which the group will live together as a

unit of the course. Board and room for the time will amount to \$20.00. An incidental fee of \$2.75 will insure an adequate mimeographed report of the entire series of lectures and discussion. All inquiries should be addressed to Office of the Dean of Women, Ohio University, Athens, Ohio.

COACHING IN MAJOR SPORTS. Coaching of Football, Basketball, Baseball, and Track will be given either in the first or last four weeks of the longer summer session. The University's head coaches and their assistants will be available for instruction and training in these sports. Persons interested should refer to the sections on Physical Welfare and Education under course descriptions for credit hours and schedules.

A CONFERENCE ON SOCIAL CHANGE

The annual summer sessions conference in 1938 will have as its theme: "Social Change in the United States." It has been projected with a view to bringing before the student group the thought of nationally known leaders in American life as focussed on fields of their specialties in the broad pattern of the social sciences. Addresses will be given by distinguished federal government officers and members of other university faculties on subjects dealing with the role of government, conservation, social security, relief, rehabilitation, and allied topics.

Both morning convocations and afternoon round-table discussions are being planned for a period which will be convenient both to students and interested visitors. Detailed programs will be sent later to anyone addressing the Office of the University Registrar. The conference will be held the second and third weeks of the Summer Session.

AUDIO-VISUAL AIDS IN EDUCATION INSTITUTE

An institute of teachers and school administrators has been arranged for two days during the latter part of July for a consideration of audio-visual aids in education. Exact dates and a detailed program will be announced later. Professors I. Keith Tyler and Edgar Dale of Ohio State University together with a representative of the American Council on Education will conduct the institute. The use of sound and picture equipment will be demonstrated and lectures are to be given whose theme: "A Wider Use of Audio-visual Aids in Education" will be based on experimentation and research investigations in public and private schools on all levels of organization.

The institute will welcome educators and other interested persons who may wish to attend.

THE EDUCATIONAL EXHIBIT

A complete display of text books and superior equipment for elementary and secondary schools will be on exhibit at the annual Educational Exhibit to be held in the Ballroom of the Men's Union Building June 20 to July 9 inclusive.

The best educational material and equipment will be displayed to acquaint students and teachers with the new developments in the field. The Exhibit contributes substantially to the effectiveness of the summer session in presenting progressive educational practices.

An attendant will be on duty daily to assist visitors in examining the materials displayed and to open correspondence with the companies for anyone interested. Special representatives of the concerns will attend the Exhibit shortly after the opening date.

SUMMER MUSIC ORGANIZATIONS

Directors of the University's three major musical organizations: the orchestra, the a cappella choir, and the band are to organize similar student music organizations among the summer session students and faculty. Credit is given for membership in these organizations which serve as laboratory courses for the students interested in conducting and other phases of such ensemble work. The personnel in each of the organizations is limited to those who can meet the necessary qualifications. Those interested should consult the Director of the School of Music.

THE ALUMNI ASSOCIATION

The Alumni Association of Ohio University is the official organization of all graduates and former students of the University. It is the enduring link between the University in Athens and her alumni in all parts of the world. It was established June 22, 1859, "to cultivate fraternal relations among the alumni of the University and to promote the interests of our alma mater by such means as the Association may from time to time deem best." This same spirit and these objectives have persisted until the present time.

The Association maintains a central office in East Wing on the campus, with an executive officer, the Alumni Secretary. It is the business of the Alumni Office to keep a file of the graduates of the University in which is recorded their location, occupation, etc. Other activities of the office include publication of a monthly magazine, *The Ohio Alumnus*, the collecting and cataloging of historical material concerning the University, and the organization of subsidiary alumni groups known as chapters.

The present alumni secretary, Clark E. Williams, '21, was elected to the position in 1922 and was the first person to give full time and attention to alumni work. His predecessor was the late Dr. C. L. Martzoff, '07, who was also professor of History and Field Secretary.

Alumni chapters are located in Akron, Canton, Cincinnati, Columbus, Coshocton, Dayton, Steubenville, Gallipolis, Jackson, Lima, Youngstown, Mansfield, Pomeroy-Middleport, Newark, Portsmouth, Marietta, Toledo, Cleveland, and Zanesville, Ohio; Chicago, Ill.; Charleston, Clarksburg, Huntington, and Parkersburg, W. Va.; Detroit, Mich.; Erie, Pittsburgh, and Philadelphia, Pa.; Los Angeles, Calif.; New York, N. Y.; and Washington, D. C.

Officers of the Association for 1937-38 are: President, John W. Galbreath, '20, Columbus; vice President, Judge George N. Graham, '17, Canton; Secretary, Clark E. Williams, '21, Athens; Treasurer, Prof. William H. Fenzel, '18, Athens; Executive Committee, Dean A. A. Atkinson, '91, chairman, Athens, Grosvenor S. McKee, '16, Cincinnati, Mrs. Hazel Rigby Mast, '12, East Liverpool, B. W. Taylor, '11, Cleveland, and Mrs. Anna K. Price, '14, Athens.

CERTIFICATION FOR TEACHING

Ohio University has wide facilities and offers extensive programs for preparation of teachers for positions in the elementary schools, in schools or rooms for special children, in training schools, and in high schools. These facilities are fully in use during the summer session.

A student who is planning to enter the teaching profession and who has met the entrance requirements should register in the College of Education for the degree of Bachelor of Science in Education with specialization in his chosen field. However, under the certification laws of the State of Ohio, a student enrolled in another college in the University may meet the requirements for a teaching certificate by completing the minimum certificate requirements and the requirements for a bachelor's degree. In addition to the minimum requirements, the student needs to meet the prerequisites for the professional courses offered in the College of Education, and especially the requirements specified for the courses in observation and participation and in student teaching.

CERTIFICATION FOR ELEMENTARY TEACHING. The requirements for graduation for the elementary courses leading to a degree or a diploma in all cases include the minimum certification requirements which are:

Subjects	Sem. Hrs.
Administration, Organization, Management.....	2 or 3
Educational Psychology	2 or 3
Methods	6
Principles of Teaching.....	2 or 3
Student Teaching	3 to 5
Art	2
Physical Education	2
School Music	3
Electives: Educational Sociology, History of Education, Introduction to Teaching, School Law, Tests and Measurements, any other educational course	2 or 3
Total	24 to 26

The State Department of Education is making a number of changes in elementary certification. During the transition period the student pursuing a course and the teacher in the field need to have in mind the following certification requirements. A student who has begun work on a two-year diploma course will need to complete the requirements of the course by September 1, 1939, or thereafter satisfy the following new requirements.

Date of Entrance	Requirements by Date of Completion	Certificate Granted
September, 1937	Two-year diploma by Sept. 1, 1939	Four-year provisional certificate
September, 1938	64 semester hours on a three-year diploma course by Sept. 1, 1940	Temporary certificate at the request of the county, city, or exempted village superintendent. Renewable if 12 semester hours are completed during the year. Four-year provisional certificate on completion of three-year course.
September, 1939	Three-year diploma by Sept. 1, 1942	Four-year provisional certificate
September, 1940	96 semester hours on degree requirements by Sept. 1, 1943	Temporary certificate, at request of county, city, or exempted village superintendent. Renewable as above until completion of requirements for the degree.
September, 1941	B. S. in Ed. degree	Four-year provisional certificate

The outlined certification plan above applies only to new entrants in the field of teaching in the elementary schools in the state of Ohio. Certificates issued prior to the new regulations are valid.

CERTIFICATION FOR SECONDARY TEACHING. The completion of a course leading to a bachelor's degree and the minimum certification requirements qualify a student for teaching in the secondary or special fields. The minimum certification requirements include the minimum requirements in education and the minimum requirements for the teaching majors and minors. The certificate granted qualifies the student to teach the specified majors and minors in the secondary schools and in the upper grades if the work is departmentalized.

The minimum requirements in education are:

Subjects	Sem. Hrs.
Administration, Organization, Management_____	2 or 3
Educational Psychology _____	2 or 3
Methods (For special subjects, 2 to 4 sem. hrs.)---	2
Principles of Teaching_____	2 or 3
Student Teaching _____	3 to 5
Electives: Educational Sociology, History of Education, Introduction to Teaching, School Law, Tests and Measurements, any other educational course _____	2 or 3
Total _____	17 to 19

The minimum requirements for teaching majors and minors are:

Teaching Fields & High School Units	TEACHING MAJOR 18 SEM. HRS.	TEACHING MINOR 12 SEM. HRS.	QUALIFIES TO TEACH
English—3 units	Required 12 sem. hrs.	Required 6 sem. hrs.	Comp. & Rhetoric
	Eng. Comp. -----6	Eng. Comp. -----3	American Lit.
	Eng. & Am. Poetry---3	Eng. or Am. Prose	English Lit.
	Eng. & Am. Prose---3	or Poetry -----3	Classics
	Elective 6 sem. hrs. in literature, public speaking, any other English or in required subjects.	Elective 6 sem. hrs. same as major elective.	Lib. Sci. and speech, if included in major or minor.
Foreign Language 2 units	18 semester hours in one language in usual sequence.	12 semester hours in one language in usual sequence.	Subject in which preparation has been made.
History—2 units	Required 12 sem. hrs.	Required 6 sem. hrs.	
	World History -----3	World History -----3	History
	Am. History -----3	Am. History -----3	Political Science
	Government or Pol. Science -----3		Civics
	Modern Trends -----3		Government
	Elective 6 sem. hrs. in any other branch of secular history or in required subjects.	Elective 6 sem. hrs. same as major elective.	Social Civics
Mathematics— 2 units	Required 9 sem. hrs.	Required 6 sem. hrs.	Arithmetic
	Col. Alg. -----3	Col. Alg. -----3	Com. Arithmetic
	Col. Geom. -----3	Col. Geom. -----3	Algebra
	Trig. -----3		Geometry
	Elective 9 sem. hrs. in any higher math., astronomy, com. arith., statistics, or in required subjects.	Elective 6 sem. hrs. same as major elective.	
Science Biological Science—1 unit	Required 9 sem. hrs.	Required 6 sem. hrs. in zoology, botany, general biology or any combination of the three.	Biology
	Zoology -----3		Zoology
	Botany -----3		Botany
	or Gen. Biology -----6		Physiology
	Physiology, Hygiene or Agri. -----3		Hygiene General Science
	Elective 9 sem. hrs. in entomology, bacteriology, or in required subjects.	Elective 6 sem. hrs. same as major elective.	Agriculture, if included in college work.
Earth Science—1 unit	Required 12 sem. hrs.	Required 6 sem. hrs.	Geography
	Geology -----3 to 9	Geology -----3	Com. Geography
	Geography -----3 to 9	Geography -----3	General Science
	Elective 6 sem. hrs. or in required subjects.	Elective 6 sem. hrs. same as major elective.	Geology

Teaching Fields & High School Units	TEACHING MAJOR 18 SEM. HRS.	TEACHING MINOR 12 SEM. HRS.	QUALIFIES TO TEACH
Physical Science—1 unit	Required 12 sem. hrs.	Required 6 sem. hrs.	Physics
	Physics -----6	Physics -----3	Chemistry
	Chemistry -----6	Chemistry -----3	General Science
	Elective 6 sem. hrs. in physics, related subjects, physical science, or any branch of chem- istry or in required subjects.	Elective 6 sem. hrs. same as major elective.	
Social Science— 1 unit of hist. or geog.	Required 9 sem. hrs.	Required 6 sem. hrs.	Economics
	Economics -----3	Economics -----3	Sociology
	Sociology -----3	Sociology -----3	Guidance
	Ethics, philosophy, log- ic; any one or any combination -----3		Civics, econ. geog., ind. geog., com. geog., if included in college work.
	Elective 9 sem. hrs. in Econ. Geog. Social Civics Indus. History Commercial Geog. Industrial Geog. or in required subjects.	Elective 6 sem. hrs. same as major elective.	

Notes: Methods courses in any of these subjects may be counted in computing majors and minors.

If the applicant has more than 16 units of high school credit, an excess of credit in any subject may be used toward a minor in that field at the rate of 3 semester hours per unit of such excess. Conversely, 3 semester hours of collegiate credit in any subject may be offered in lieu of each unit of the high school prerequisite in that subject.

The minimum requirements for a teaching major in a special field involve the completion of a college major of not less than 40 semester hours in the field. In music, 60 semester hours are required.

The minimum requirements for a teaching minor in a special field are as follows:

Commercial Subjects—Including bookkeeping (9 hours), stenography (6 hours), typing (3 hours), methods of teaching bookkeeping, stenography, and typewriting (2 hours) -----	20 sem. hrs.
Fine Arts—Freehand drawing (6 hours), painting (3 hours), design (3 hours), art appreciation (2 hours), methods of teaching art (3 hours) -----	17 sem. hrs.
Home Economics—Including foods, clothing, home making, and methods -----	18 sem. hrs.
Manual Arts—Including woodworking, metal working, general shop, and methods -----	16 sem. hrs.
Music—Including sight singing, ear training and elementary theory (4 hours), history and appreciation (4 hours), special methods including observation in music (6 hours), ensemble (glee club, chorus, orchestra, band) and applied music (4 hours) -----	18 sem. hrs.
Physical Education—Including the principles, organization, and administration of health and physical education (4 hours), theory and practice of physical education including activities other than athletics such as games of low organization, stunts, apparatus, tumbling, swimming, elementary school activities, dancing, etc. (4 hours), theory and practice of physical education including athletic coaching in intramural and inter-scholastic athletics in (men) football, soccer, speedball, basketball, baseball, tennis, track, (women) soccer, volleyball, hockey, basketball, baseball, tennis, track (4 hours), health education including the teaching of health and school health problems (4 hours) -----	16 sem. hrs.

The changes planned for the secondary and special fields will be issued by the State Department of Education about January 1, 1939, and will become effective for the students entering in September, 1939.

THE UNIVERSITY ORGANIZATION

COLLEGES AND DEGREES

A variety of curricula are offered in the different colleges and divisions of the University. The requirements for a degree form a unified and connected curriculum made up of courses offered by the different colleges. The requirements as a whole are set up and administered by a college so that students are not only required to take courses in that college but are permitted and required to take courses administered by other colleges. No college excludes a student enrolled for a degree offered by another college from any course for which the student has met the necessary requirements.

Most of the curricula require a minimum of 124 semester hours and 124 scholastic points. A transfer student is required to meet the curriculum requirements for the degree, to be in residence at least thirty weeks, to complete at least thirty semester hours, and to acquire at least thirty scholastic points at Ohio University. In four years a student who has an adequate high school preparation completes the program of the University College, satisfies the requirement in physical training, four semester hours (men may substitute military science), and completes the specific requirements of the college in which he is a candidate for a degree.

A student first registers for a bachelor's degree when he enrolls in a degree granting college. This occurs after a student has completed the requirements of the University College, which usually is at the beginning of the sophomore year. When he has enrolled in a degree granting college and has registered for a bachelor's degree, he may secure that degree by fulfilling the requirements as outlined in the catalog of the year in which he first registered in the University. A student who does not complete the degree requirements, within the usual three years spent in the degree granting college, may be allowed to fulfill the same requirements at a later date provided he completes them within seven years after his first enrollment in the University. A transfer student is governed by the same regulations, except that the number of years in which to complete the degree requirements will be reduced by the number of years of transferred work.

CHANGE OF COLLEGE. A student who has registered in one undergraduate degree granting college and who wishes to change to another college makes application for the transfer in the office of the dean of the college in which he is enrolled. The application form must be signed by the dean of the college in which the student is enrolled, by the dean of the college to which the student wishes to transfer, and by the registrar. The application is filed in the registrar's office and the change will be made on the student's record after the required fee has been paid. A student is required to fulfill all the requirements of the college and the degree to which he transfers.

RESIDENCE. The minimum residence requirement is two semesters or the equivalent in summer sessions, which should total not fewer than thirty weeks. The student must be in residence during the session in which the degree is granted with the exception of students who are granted permission

to graduate in absentia. This permission is usually granted by the dean of the college. Saturday and evening class credit may be used to satisfy the residence requirement in combination with one semester or several summer sessions. The number of weeks of residence is determined by the number of hours of credit. Credit earned in the Extension Division, whether in extension classes or in correspondence study, will not count toward the fulfillment of the residence requirement.

A SECOND BACHELOR'S DEGREE. A student who has received a degree and who desires a second bachelor's degree must complete the requirements of the second degree and at least thirty semester hours, thirty scholastic points, and one semester of residence.

THE UNIVERSITY COLLEGE

The University College is organized primarily for students regularly matriculating as freshmen in Ohio University. It was established in 1935 with the view of helping the incoming student make his adjustments to college life rapidly and effectively. The college continues the general education of the student and offers effective preparation and guidance for the choice of the fields in which to specialize during the succeeding years of college life. The trend toward such an organization for freshmen is not new. An important feature at Ohio University is the provision for counselors whereby every student in the University College receives the personal advice and friendly counsel of a member of the faculty. This counseling program is of paramount importance to the successful achievement of the objectives of the University College.

There are two divisions of the University College, a men's division and a women's division. The men's division functions under the direction of the dean of men, assisted by an executive committee; the women's division functions under the direction of the dean of women.

The training received in high school and in the University College is regarded as a unit. The objective is to insure that in this five-year period every student shall attain a minimum foundation of substantial general education. The standard now established for the high school period of four years plus the University College year includes a minimum program as follows:

- Five years of English
- Three years of laboratory sciences
- Three years of social sciences
- Two years of mathematics
- Two years of foreign languages.

One year of college mathematics, one year of college foreign language, and one year of college laboratory science are regarded for this purpose as the equivalent of two units of high school work. However, a student who enters with only one unit in a foreign language or two units in a laboratory science is required to complete one year of college work in the subject. A student who enters the University with less than four units of English may satisfy the five-year requirement by passing the regular course in freshman English.

THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences aims primarily to offer opportunities for what is commonly called a liberal education in contrast with professional or vocational training provided by the other colleges. It also affords opportunities for pursuit of the less strictly technical subjects which occupy the attention of students enrolled elsewhere in the University. It is in this way a service college for the whole of the University. Students from the other colleges are admitted to its courses on the same basis as are students registered in the College of Arts and Sciences. In a similar way students in the College of Arts and Sciences are admitted to courses in the other colleges.

As an undergraduate degree college with conscious emphasis on breadth of training, which is its primary aspect, the College of Arts and Sciences offers two degrees, the Bachelor of Arts and the Bachelor of Science. Both degrees are characterized by a considerable spread of interests. They not only permit specialization, but indeed require sufficient concentration in major and minor fields to insure some degree of mastery in a particular field.

In general, the distinction between the curricula for the two degrees in the College of Arts and Sciences lies in the fact that for the Bachelor of Arts degree greater emphasis is placed upon the old and new humanities, such as English, foreign languages and literatures, and the social sciences, whereas for the Bachelor of Science degree the chief emphasis is placed upon the natural sciences and mathematics.

Candidates for these degrees will complete a minimum of 124 semester hours and 124 scholastic points. The total hours include the requirements of the University College, four semester hours of physical welfare or military science, and three years of work comprising approximately ninety-four semester hours under the direction of the College of Arts and Sciences.

THE COLLEGE OF EDUCATION

The College of Education is devoted to the education of men and women who intend to enter the fields of teaching and educational administration. Its aim is a fully rounded preparation for the profession of teaching, and its curricula are intended to prepare students for teaching in elementary schools, high schools, and colleges, and for the positions of school administrators, supervisors, and supervising critics. Its program of academic and professional study including laboratory practice is built about a fundamental belief in standards of the highest type designed to prepare teachers who will have adequate knowledge of their special fields, who will understand professional theory and how to apply it, and who will have attained a degree of skill which will enable them to go into the profession under circumstances favorable to immediate success, even as beginning teachers.

The degree of Bachelor of Science in Education is granted upon completion of curricula covering a course of four years with specialization in elementary education, in any of the academic fields for teaching in high schools, or in the special subjects of art, industrial arts, home economics, physical welfare, commerce, or music. Candidates for the degree will complete a minimum of 124 semester hours and 124 scholastic points.

Candidates for the degree of Bachelor of Science in Education must complete certain general requirements and other specialization requirements called majors. Subjects completed in University College (freshman year) may in part satisfy general requirements and the requirements in the major. In addition to the major, the student is required to complete at least one minor with a minimum of fifteen semester hours. All specified requirements of the State Department of Education of Ohio must be met in the majors and minors.

By September 1945 all beginning teachers in the elementary schools of the State of Ohio must have the bachelor's degree. In view of this extension of the period of preparation for teaching in the elementary schools, the University is discontinuing all two-year diploma courses.

During this transition period, the College of Education will temporarily offer three-year courses for those who wish to become Kindergarten-Primary, Intermediate Grade, and County School teachers. These three-year courses will require 96 hours and 96 points for the diploma including the completion of specified courses. Students will be given the opportunity to meet the requirements of the State Department of Education during the period of transition to the degree requirement.

THE COLLEGE OF COMMERCE

The College of Commerce offers a curriculum which leads to the degree of Bachelor of Science in Commerce. The fields which may be emphasized include accounting, advertising, banking, business law, economics, finance, labor, management, marketing, public utilities and statistics. The College also includes the Department of Secretarial Studies, the curriculum of which leads to the degree of Bachelor of Science in Secretarial Studies; and the School of Journalism, which offers theoretical and practical courses leading to the degree of Bachelor of Science in Journalism.

The College of Commerce aims to serve students in other Colleges of the University. They are admitted to courses on the same basis as students regularly enrolled in Commerce. College of Education students interested in Commercial Teacher Training are afforded an opportunity to secure majors in the following: accounting, accounting and secretarial studies, economics, retail selling, secretarial studies and social business. Similarly, those interested in obtaining a State minor in commercial subjects can meet these requirements through the offerings of the College of Commerce.

All candidates for degrees in this college will complete a minimum of 124 semester hours and 124 scholastic points. The total hours include the requirements of the University College, four semester hours of physical welfare or military science, and three years of work under the direction of the College of Commerce comprising approximately 94 semester hours.

THE COLLEGE OF APPLIED SCIENCE

The College of Applied Science comprises the Departments of Agriculture, Civil Engineering, Electrical Engineering, and Industrial Arts, and the School of Home Economics. Degrees offered are the Bachelor of Science

in Agriculture, Bachelor of Science in Architectural Engineering, Bachelor of Science in Civil Engineering, Bachelor of Science in Electrical Engineering, Bachelor of Science in Industrial Engineering, and Bachelor of Science in Home Economics. Each degree offers several options leading to a degree of specialization for students electing a more definite course of study. The Departments of Agriculture and Industrial Arts offer courses which may be elected or chosen as majors or minors by students seeking degrees in other colleges. Courses offered in the College of Applied Science are open to students in the other colleges who have the required prerequisites.

Candidates for degrees in the College of Applied Science will complete the program of the University College, the requirements of physical welfare, or military science, and three years of work under the direction of this college. The total number of semester hours and scholastic points required equals 124 for the degree of Bachelor of Science in Agriculture or Home Economics, and 140 for the degree of Bachelor of Science in Engineering.

THE COLLEGE OF FINE ARTS

The College of Fine Arts comprises the School of Music, the School of Painting and Allied Arts, and the School of Dramatic Art. The degrees offered are the Bachelor of Fine Arts in Music, in Painting and Allied Arts, and in Dramatic Art. The curricula of the three schools in this college are designed to provide for a broad cultural education in the fine arts and for specialized interests within the different schools.

When a major is selected in one of the three schools, the student is required to take a minor of approximately sixteen semester hours in each of the other two schools. However, when necessary and with the permission of the chairman of the college executive committee twelve semester hours may be accepted as satisfying each minor requirement.

Students enrolled in other colleges may elect courses in this college or may complete the requirements for a major or minor in music, painting and allied arts, or in dramatic art.

Candidates for a degree in the College of Fine Arts complete a minimum of 124 semester hours and 124 scholastic points. These include the program of the University College, four semester hours of physical welfare or military training, and three years work in the College of Fine Arts, comprising approximately 94 semester hours.

THE DIVISION OF PHYSICAL WELFARE

The Division of Physical Welfare is organized into two coordinate divisions, one for men and one for women. The whole program in physical welfare has been developed with the view of providing health protection and physical activity for the entire student body. The department maintains two gymnasiums and offers facilities, equipment, and guidance for physical expression in sports and hobby classes, rhythmic, swimming, and intramural and intercollegiate athletics. All students registering in the University are given health and physical examinations.

The required two-year program, four semester hours, of physical activ-

ities for men who do not elect military science and tactics includes attendance in a class in health problems one period a week during the freshman year and participation in at least four sports. The required two-year program, four semester hours, for women is on an elective basis; the activities offered are grouped under sports, rhythmic, and swimming. Students reporting for the required courses wear the uniform prescribed by the division. Men and women students who for any reason are unable to participate in the regular activity classes are given individual instruction in special classes.

The division offers a recreational hobby program designed to meet the interests and needs of students, whether they are proficient or inexperienced in sports. Instruction is given regularly to volunteer groups and classes in the activities desired.

Students wishing to major in the Division of Physical Welfare may apply for the degree of Bachelor of Science, the degree of Bachelor of Arts, or the degree of Bachelor of Science in Education by fulfilling the requirements of the college offering the degree.

UNIVERSITY HEALTH SERVICE. The University will maintain a health service program during the summer session for students of the University. A health fee of \$1 for the eight weeks session provides for each student one complete health examination with proper card records and check-up examinations as required. The infirmary will provide clinical service for minor ailments of students presenting themselves at the hours specified.

The University medical officer will make diagnostic visits to students, especially in cases suspected of an infectious or contagious character. Medical care will be secured by the students through physicians of their own choice at their own expense. The University medical officer will not be available for such service.

Students desiring limited hospitalization at the University infirmary may, if bed service is available, secure such service by the payment of an additional fee. Because of the limited bed facilities at the infirmary, the University cannot guarantee hospitalization for students. A well equipped local hospital is available to students at their own expense.

THE GRADUATE COLLEGE

Ohio University has facilities for advanced study and research on the graduate level for teachers and people in other vocations. This service is provided through the Graduate College. The college offers graduate work in academic and professional fields and confers the degree of Master of Arts, Master of Education, Master of Fine Arts, and Master of Science.

ADMISSION. The Graduate College is open to students who hold a bachelor's degree from an accredited college or university. Application for admission should be made on a blank obtained from the office of the registrar and must be accompanied by an official transcript of the applicant's college record, except in the case of graduates of Ohio University. These documents should be filed with the registrar at least a month before the opening of the term in which the applicant plans to begin his studies. The student who

qualifies for admission receives a permit to register and a copy of his undergraduate record. He then confers with the dean of the Graduate College who counsels him regarding his plans for graduate study and arranges for the appointment of faculty advisers in the major and minor fields. The student's outline of graduate study is made by the advisers in conference with him. A student may be registered in the Graduate College without becoming a candidate for a graduate degree. Therefore, admission to the Graduate College does not of itself constitute admission to candidacy for a degree.

A student who is qualified to enter the Graduate College and who pursues courses with no regard to a major or a minor and with no thought of qualifying for a master's degree will be classified as a special student.

CREDIT AND RESIDENCE. At least thirty-two semester hours of credit are required for the master's degree. Transfer students are required to complete at least twenty-four semester hours of credit at Ohio University. Courses taken by correspondence will not be accepted for credit toward the master's degree. However, a maximum of six semester hours taken in group extension will be accepted toward the master's degree, provided that these courses are conducted by instructors who regularly teach them when offered on the campus, and provided further that not more than two semester hours of transfer credit are submitted for the degree. Only work of high quality is accepted for graduate credit. The minimum standard acceptable is an average grade of B, with no grade below C, and not more than twenty per cent of the work with a grade of C.

After securing a bachelor's degree, an adequately prepared student should be able to complete the work for the master's degree in one year of two semesters, in four eight-week summer sessions, or in three eleven-week sessions. Transfer students are required to have a minimum residence at Ohio University of one semester and one eight-week summer session, or at least twenty-four weeks, provided the other requirements for the degree are satisfied. The maximum time allowed between the date when the student is admitted to the Graduate College and begins graduate study and the date when the requirements for the degree are completed is six years. Students who do not complete their requirements for the degree within the six-year period are obliged to have their graduate outlines reviewed and revised in the light of current catalog requirements. Credit is not allowed for a graduate course unless all of the work of the course, including the final examination, is completed and the final grade reported to the office of the registrar within one year after the official ending of the course.

COURSES FOR GRADUATE CREDIT. Credit toward a graduate degree will be given for the completion of courses designed for graduate students (numbered 301-399) and courses designed for advanced undergraduates and graduates (numbered 201-299), provided that the courses have the approval of the advisers and the dean, as a part of the student's outline of study. Since graduate work implies specialization, a minimum of eighteen semester hours of undergraduate credit is presupposed before a student can pursue his major subject for graduate credit. From six to twelve semester hours in

undergraduate preparation is usually sufficient to begin graduate work with a minor in a subject.

FEES. The fees for graduate students are the same as those for undergraduates. Refer to the preceding sections under "Fees and Deposits" for a full statement of fees.

PROGRAM OF STUDY. The student's program of study is divided in most cases between subjects in the major field and subjects in the minor field. The program in the major field varies from twelve to twenty credit hours, exclusive of the thesis, for which from four to eight hours credit are allowed. The minor field in such cases makes up the remainder of the thirty-two hours required for the degree, and is selected from one or two departments closely related to the major field. However, all of the work for the master's degree may be done in one school or department on recommendation of the adviser and with the approval of the Graduate Council.

ADMISSION TO CANDIDACY. In order to be admitted to candidacy for the master's degree, it is necessary that a student show his ability and fitness to pursue graduate work in his chosen field. This may be done by completing a part of the program of graduate study as outlined with satisfactory grades. The further conditions of admission to candidacy are that the outline of graduate study and a thesis subject, acceptable to the major adviser, shall have been submitted to the dean and approved by the Graduate Council. Application for candidacy should be made on a form obtainable at the office of the dean, and on a date not less than four months before the degree is to be conferred.

EXAMINATION AND THESIS. As partial fulfillment of the requirements for the master's degree, each candidate shall pass creditably two examinations, one written and one oral, and shall submit a satisfactory thesis upon a subject approved by the adviser and the Graduate Council. The written examination is of approximately four hours duration, the time being divided between the subjects of the major and the minor fields. The oral examination, approximately two hours in length, is conducted by a committee, appointed by the dean, consisting of a representative of the Graduate Council and members of the staff of the schools or departments in which the candidate has done his work.

The candidate prepares his thesis under the direction of his major adviser on a subject in the field of his major work. The thesis provides an opportunity for the student to formulate and express results of his research and study. For students who desire to avail themselves of the instruction, a course on thesis writing is offered by the Department of English. The thesis may vary in character from an extended essay, representing critical reading, independent study and the assimilation and interpretation of a considerable body of facts, to an account, sometimes more brief, describing a research project which makes some contribution to knowledge. From four to eight hours credit is allowed on this part of the student's program.

The candidate submits to the chairman of his examining committee, not later than one week before the date of his oral examination, three type-written copies of his thesis in final form. After the thesis is approved the

candidate, not later than five days before commencement, deposits three copies in the office of the graduate college dean, two copies of which are for the university library and one for the school or department in which the work has been done. The copies of the thesis shall be typed and bound in accordance with a format on file in the office of the dean.

GRADUATE FELLOWSHIPS AND SCHOLARSHIPS. Ohio University offers twelve to fifteen graduate teaching fellowships to students properly qualified who have received baccalaureate degrees from approved institutions. A fellowship carries an annual stipend of \$300, with exemption from registration fees. (There is no tuition fee). A teaching fellow is required to give from one-third to one-half of his time to teaching or laboratory supervision or both, in the department of his major work, and is expected to carry one-half to two-thirds the normal load of graduate work.

A limited number of graduate scholarships may also be offered to students who have received baccalaureate degrees from approved institutions. A scholarship carries an annual stipend of \$100, with exemption from registration fees. Graduate scholars are expected to devote all of their time to graduate work.

Graduate fellowships and scholarships are usually available to students in the following fields: botany, chemistry, classical languages, dramatic art and speech, economics, commerce, education, English, government, history, industrial arts, home economics, journalism, mathematics, modern languages, music, painting and allied arts, physics, psychology, sociology, and zoology.

SPECIAL APPOINTMENTS FOR WOMEN. Two to five positions are open annually for graduate student deans. The appointees receive a stipend of \$300 each, with exemption from registration fees, and are expected to give one-half of their time assisting the Dean of Women and to carry one-half of the normal load of graduate work. Under this plan two academic years are required to complete the work for the master's degree. Applicants should have completed not fewer than eighteen semester hours in the social sciences. Application for one of these appointments may be made directly to the Dean of Women.

Two or three appointments as graduate student dietitians are open annually to college graduates who have majored in home economics. These positions are intended primarily for persons interested in institutional management, but such assistants may major in any field. The stipend consists of board, room, and \$385, with exemption from registration fees. The student is expected to give about six hours of service daily and to carry one-half of the normal load of graduate work. Application for one of these positions may be addressed to the Director of the School of Home Economics.

UNIVERSITY EXTENSION

The Extension Division offers work in the form of extension classes and correspondence study.

Any community in which a group of persons agrees upon a course which it desires to study will be supplied with an instructor from the University faculty. The size of the group necessary to secure an instructor will depend upon the distance of the community from the campus. The division will

provide the regular instructor of the course or a member of the department in which the course is offered. The instructor will meet the class once a week for a class session the number and length of which will be determined by the amount of credit allowed for the course. Under certain conditions, six semester hours of extension credit can be applied toward the Master's degree.

The purpose of correspondence study is to extend the privilege of university training even more widely. A wide variety of subjects in thirty departments are offered and are taught by members of the regular faculty. The courses appeal to teachers, business men and women, ministers, social workers, and others who wish to engage in systematic study during their spare time. Qualified students are accepted at any time. Persons over twenty-one years of age who have not met university entrance requirements are admitted upon condition that they show ability to carry the work.

In extension classes and in correspondence study a student may earn as much as forty semester hours to apply toward the requirements for a degree, or eighteen semester hours toward a two-year diploma. Persons who are employed are limited to five semester hours a semester.

Students who have not previously enrolled at Ohio University are required to file an application for admission to the Extension Division. Students who intend to become a candidate for a degree at Ohio University must also furnish a transcript of all work done at any other college or university. Students who are not working toward a degree at Ohio University need to furnish only a statement of good standing, honorable dismissal, or graduation from another college or university in addition to the application for admission. Students who have never enrolled in any college or university must file a transcript of high school credits.

In 1931 Ohio University was admitted to membership in the National University Extension Association. This association is made up of about fifty of the recognized colleges and universities throughout the country that maintain divisions of university extension. The N.U.E.A. is not an accrediting body; it merely promotes standards and recognizes them by strict procedures for the admission of colleges and universities to membership.

Persons interested in any of the work of the Extension Division should write to the Extension Division for a special bulletin or other information.



COURSES OF INSTRUCTION

In this statement the courses of instruction are arranged in numerical order under the titles of the respective fields of instruction. For convenience the fields are arranged in alphabetical order rather than by colleges and divisions.

The course number indicates the student classification for which the course is designed. These are grouped as follows:

- 1 - 99 — University College
- 100 - 199 — Undergraduate
- 200 - 299 — Advanced Undergraduate and Graduate
- 300 - 399 — Graduate

It is understood that a lecture course with a credit of three semester hours will have six lectures or class meetings each week throughout the eight weeks' session. For those courses which meet both for lecture and laboratory periods, the number of each is indicated.

Certain courses require payment of a special fee, the amount of which is indicated in each case throughout the following. This amount is determined by the credit for the course, \$1 being assessed for each semester hour.

Prerequisites are usually indicated by the numbers of the courses or the number of semester hours required. When the course number or number of semester hours refers to some other field of instruction, the field is named.

Credit for each course is indicated by the number in parenthesis. One semester hour (1) is the equivalent of two class meetings or four or more laboratory periods a week throughout the first session.

All methods courses, both elementary school and secondary school, are listed for convenience of reference in EDUCATION under Teaching Techniques.

AGRICULTURE

1. GENERAL AGRICULTURE. Planned to meet the needs of those preparing to teach agriculture and of those interested in the practical applications of the problems of general agriculture. Fee \$3.

(3) WIGGIN. DAILY 7

4. FORESTRY. Ways and means of identification and classification of trees and shrubs. A study of vernalization, periods of blooming, and seed germination. Fee \$2.

(2) COPELAND. M T T H F S

116. FIELD CROPS. A general course in the principles of plant growth. Emphasis on the use of important cereal grass, forage, and root crops. Fee \$3. Prereq., 115.

(3) WIGGIN. DAILY 9

144. GENETICS. Inheritance, environment, and other factors relating to variations, mutations, and changes leading to the origin of new races and varieties of plants or animals.

(3) COPELAND. DAILY 9

146. EUGENICS. Problems of inheritance and environmental factors that relate to race betterment.

(2) COPELAND. M T T H F 10

168a. TEACHING OF AGRICULTURE. See EDUCATION—Teaching Techniques.

220. PLANT GROWTH. A course in the advanced phases of plant growth dealing with such phenomena as tropism, adaptations, periodicity, physical and chemical responses, and correlations. Fee \$3. Prereq., 1 and 116.

(3) WIGGIN. ARRANGED

BOTANY

1. FRESHMAN BOTANY. A general survey of the field of botany. Fee \$3. (3) BOETTICHER. M W F S 11; T T H 10, 11
2. FRESHMAN BOTANY. A continuation of Course 1, which, however, is not prerequisite. Fee \$3. (3) VERMILLION. T W F S 7; M T H 7, 8
101. GENERAL BOTANY. A course in systematic botany for advanced students beginning the subject. Not open to those who have credit in courses 1 and 2. Fee \$3. (3) BOETTICHER. M W T H 9; T F 8, 9
107. WILD FLOWER IDENTIFICATION. A study of the local flora. Fee \$3. (3) MATHENY. M T T H F 10; W S 10, 11
111. ECONOMIC BOTANY. A study of the origin, uses, and economic importance of plants and plant products, and the application of botany to modern industrial life. Fee \$3. Prereq., 1 and 2, or 101 and 102. (3) VERMILLION. M T T H F 9; W S 8, 9
133. NATURE STUDY. A course in which the student is introduced to a better understanding and appreciation of the living things in nature about him. Fee \$3. (3) MATHENY. M T T H F 8; W S 8, 9
- 168g. TEACHING OF GENERAL SCIENCE. See EDUCATION—Teaching Techniques.
206. PLANT PHYSIOLOGY. The physiology of translocation, respiration, fermentation, waste products, and growth. Fee \$3. Prereq., 1, 2, or 101, 102. (3) VERMILLION. M T T H F 10; W S 10, 11
207. MYCOLOGY. A general survey of the fungi. The structural characteristics of the various groups are studied. Fee \$3. Prereq., 1, 2, or 101, 102. (3) BOETTICHER. M T T H F 7; W S 7, 8
395. THESIS. (4-8) THE STAFF

CHEMISTRY

1. GENERAL CHEMISTRY. An introductory course. Lectures and recitations. (3) GULLUM. DAILY 8
1. GENERAL CHEMISTRY LABORATORY. A laboratory course to accompany General Chemistry. Fee \$4. (1) GULLUM. DAILY 9
2. GENERAL CHEMISTRY. A continuation of course 1. (3) EBLIN. DAILY 8
2. GENERAL CHEMISTRY LABORATORY. A laboratory course to accompany General Chemistry 2. Fee \$4. (1) EBLIN. W F 1, 2, 3, 4
105. QUALITATIVE ANALYSIS. The separation and identification of metals. 2 lec. and 12 lab. Fee \$3. Prereq. 2 or 4. (3) GULLUM. T T H 7, LABORATORY ARRANGED
106. QUALITATIVE ANALYSIS. A continuation of course 105. Complete qualitative analysis of simple substances and mixtures. 2 lec. and 12 lab. Fee \$3. (3) GULLUM. ARRANGED
109. QUANTITATIVE ANALYSIS. A course in volumetric analysis. 4 lec. and 12 lab. Fee \$4. Prereq., 105 or 4. (4) EBLIN. M T T H F 10; T W F 1, 2, 3, 4
115. ORGANIC CHEMISTRY. Work in both aliphatic and aromatic series. Prereq., 2 or 4. (3) MORTON. DAILY 8
119. ORGANIC PREPARATIONS. A laboratory course in organic chemistry. 10 lab. Fee \$5. Prereq., 115 or with 115. (2) MORTON. ARRANGED
120. ORGANIC PREPARATIONS. A continuation of course 119. Fee \$5. (2) MORTON. ARRANGED
- 168s. TEACHING OF CHEMISTRY AND LABORATORY PRACTICE. See EDUCATION—Teaching Techniques.

213. PHYSICAL CHEMISTRY. Prereq., 116 and Mathematics 6.

(3) MORTON. DAILY 11

228. COLLOID CHEMISTRY. A study of the properties of colloidal systems, methods for their preparation, and their application in certain fields of medicine and industry. Prereq., 214.

(2) EBLIN. M T T H F 9

251. SPECIAL PROBLEMS IN CHEMISTRY. A consideration of special problems and methods as applied to the chemical industries. Fee \$1 for each credit hour. Prereq., 24 hrs. or permission. (2-4) THE STAFF. ARRANGED

395. THESIS.

(2-4) THE STAFF

CIVIL ENGINEERING

1-2. MECHANICAL DRAWING. Free hand lettering, use of instruments, geometric constructions, orthographic projection, revolution, auxiliary and sectional views, and dimensioning. Isometric, oblique, detail and assembly drawings. Intersections, developments, structural, electrical and architectural drafting, tracings and blue prints. Students who enter with one or more units of mechanical drawing may be excused by the instructor from part or all of the course. 12 lab. (2) CLARK. DAILY 7, 8, 9, 10, 11

74. ENGINEERING INSTRUMENTS. Verniers, Planimeters, and slide rule. Prereq., Mathematics 5.

(1) CLARK. T T H 10

107. PERSPECTIVE DRAWING. Representation of an object as it would appear on a plane when viewed from a point; drawing of shadows on objects and planes, both in parallel and oblique perspective. 6 lab. Prereq., 2.

(1) CLARK. DAILY 7, 8, 9, 10, 11

CLASSICAL LANGUAGES

LATIN

121. SALLUST. The *Catiline* and selections from the *Jugurtha*. Excellent material for parallel reading with Cicero's orations against Catiline. Also an opportunity for those who feel the need of an accredited review course. The work will be graduated to meet the needs of each individual. Prereq., 4 or 4 yrs. high school Latin.

(3) JOLLIFFE. DAILY 9

165r. TEACHING OF LATIN. See EDUCATION—Teaching Techniques.

214b. MEDIAEVAL (Including Patristic) LATIN. General selections designed to acquaint the student with Latin of the mediaeval period, followed by selections from Minucius Felix, Saint Augustine, and others of the Latin Fathers. Prereq., 103 or equivalent.

(1-2) JOLLIFFE. M T T H F 10

220. VERGIL, LATIN EPIC. Translation of parts of the last six books of the Aeneid. Lectures on the general literary content and technique of the whole poem with the needs of teachers particularly in mind. Some study of Vergil in his relation to English literature. Prereq., 103 or equivalent.

(3) HILL DAILY 7

225. DE NATURA DEORUM. Cicero's presentation of the classic conception of the nature of God and the founding of the universe. Prereq., 104 or equivalent.

(2) HILL M T T H F 9

227. ROMAN HISTORY IN THE CLASSICAL PERIOD. A brief survey of the outstanding events of Roman history during the period in which the most important works of Latin literature were produced. Prereq., 6 hrs., or 9 hrs. history and antiquities.

(1) JOLLIFFE. W S S

232. INTRODUCTION TO THE HISTORY OF LANGUAGE. A study of the principles of linguistic change. Special attention to the development of the Romance languages from Latin and to the history and development of English. Prereq., 14 hrs. foreign language or 12 hrs. English.

(2) JOLLIFFE. M T T H F 11

240. SPECIAL WORK IN LATIN. Intended to take care of the special needs of senior and graduate students. Individual work under guidance. Prereq., 103 or equivalent. (1-3) THE STAFF. ARRANGED

395. THESIS.

(4-8) THE STAFF

COMMERCE

ACCOUNTING

75-76. ELEMENTARY ACCOUNTING. The fundamental principles of accounting theory and practice. Course 75 (3) is offered the first four weeks and course 76 (3), the second four weeks. (6) RAY. DAILY 9, 10

125. INTERMEDIATE ACCOUNTING. The preparation and analysis of balance sheet and income statements, principles of actuarial science, accounting for corporate net worth, and current asset valuation. Offered the first four weeks. Prereq., 6 hrs. or 76 or 102. (2) FENZEL. DAILY 7, 8

195. ADVANCED PRINCIPLES OF ACCOUNTING. Actuarial science as related to accounting, principles of fixed asset valuation, special phases of net worth accounting, consignments, installment sales, and special statement analyses. Offered the second four weeks. Prereq., 125.

(3) FENZEL. DAILY 7, 8

281. RESEARCH IN ACCOUNTING. Prereq., 175, 195, and permission.

(2-4) THE STAFF. ARRANGED

ADVERTISING

155. ADVERTISING PRINCIPLES. The fundamentals of advertising as developed in modern procedure. Prereq., Marketing 155 or permission.

(3) KRAUSKOPF. DAILY 9

BUSINESS LAW

155-156. BUSINESS LAW. The principles of law involved in contracts, agency, sales, bailments, negotiable instruments, partnerships, and corporations. Course 155 (3) is offered the first four weeks and course 156 (3), the second four weeks. (6) DYKSTRA. DAILY 7, 8

175s. GOVERNMENT AND BUSINESS. Statutes, and court decisions interpreting them, by which federal, state, and local governments control, regulate, and aid business. Prereq., junior rank. (3) DYKSTRA. DAILY 11

281. RESEARCH IN LAW. A study of selected cases and current litigation in any field of law of particular interest to the student. Prereq., 18 hrs. Commerce including 156 and permission. (2-4) DYKSTRA. ARRANGED

BUSINESS MANAGEMENT

15. INTRODUCTION TO BUSINESS MANAGEMENT. A comprehensive picture of business life covering the organization and functioning of business enterprises. Not open to upper classmen pursuing the B. S. in Commerce degree. (3) FENZEL. DAILY 9

235. LABOR RELATIONS—See ECONOMICS 235.

ECONOMICS

101-102. PRINCIPLES OF ECONOMICS. The following economic material is presented: production, consumption, distribution, exchange, money and banking, business cycles, credit, international economic relations, government and taxation, and economic control. Course 101 (3) is offered the first four weeks and course 102 (3), the second four weeks. (6) GUBITZ. DAILY 7, 8

227. CURRENT ECONOMIC PROBLEMS. Prereq., 102.

(3) CHURCH. DAILY 10

235. LABOR RELATIONS. A general survey of the forces that give rise to modern labor problems. The purpose of the course is: to give a basis for the developing of a general point of view, to make an analysis of the major problems involved, to indicate the trend of policy and organization, and to offer constructive suggestions for the handling of administrative problems. Prereq., 102. (3) GUBITZ. DAILY 9

281. RESEARCH IN ECONOMICS. Prereq., 15 hrs. and permission. (2-4) THE STAFF. ARRANGED

FINANCE

121. BUSINESS FINANCE. The elements of business finance, the corporation, corporate securities, and financial plans. (3) ARMBRUSTER. DAILY 9

JOURNALISM (See Journalism)

MARKETING

171s. PRINCIPLES OF PERSONAL SELLING. The fundamentals of personal salesmanship and the problems involved in the relationship of the personal salesman to the sales organization. Prereq., 155. (3) KRAUSKOPF. DAILY 10

211. RECENT TRENDS IN MARKETING AND SELLING. Changes in marketing methods and institutions and in selling policies in the post-war period with especial reference to adjustments resulting from new tax and regulatory laws. Prereq., 155 and Ec. 102. (3) KRAUSKOPF. DAILY 11

281. RESEARCH IN MARKETING. Research methods, market data and methods of conducting market surveys. Prereq., 18 hrs. Commerce including 5 hrs. marketing and permission. (2-4) KRAUSKOPF. ARRANGED

SECRETARIAL STUDIES

15s. TYPEWRITING. A beginning course in typewriting. Students are expected to attain a speed of thirty-five words a minute. 9 periods, 3 arranged. Fee \$3. (3) GUERRA. DAILY 8

16. TYPEWRITING. Students are expected to attain a speed of forty-five words a minute. 7 periods, 1 arranged. Fee \$2. Prereq., 15 or 15s. (2) GUERRA. DAILY 9

31-32. SHORTHAND. A beginning course in Gregg Shorthand. In order to obtain credit for course 32, the standard Gregg Writer Complete Theory Test and a five-minute, sixty-word-a-minute transcription test must be passed. Course 31 (3) is offered the first four weeks and course 32 (3), the second four weeks. Prereq., 15 or with 15. (6) MILLER. DAILY 10, 11

151s. DICTATION AND TRANSCRIPTION. This course is designed to develop ability in taking dictation and transcribing it. The 100-word transcription test is the standard for credit. Prereq., 16 and 32. (4) SNOOK. M T T H F 10, 11

161t. TEACHING OF TYPEWRITING. See EDUCATION—Teaching Techniques

176. SECRETARIAL PRACTICE. Students spend six hours a week working in offices on the campus, and six hours in the secretarial practice laboratory. Conferences. Prereq., 151 and 171. (4) SNOOK AND ROWLAND. ARRANGED

180s. OPERATION OF OFFICE MACHINERY. Six hours a week. Fee, \$2. (2) GUERRA. DAILY 10

185. OFFICE MANAGEMENT. A study of the principles governing office administration with emphasis upon organization, management, layout, equipment, and functions. (2) SNOOK. DAILY 9

287. RESEARCH IN BUSINESS TEACHING PROBLEMS. Prereq., 20 hrs. Commerce and permission. (2-4) MILLER. ARRANGED

STATISTICS

155s. BUSINESS STATISTICS. Statistical methods with particular emphasis on their application to the analysis of business and economic problems. (3) CHURCH. DAILY 11

DRAMATIC ART

3. PUBLIC SPEAKING. Study and practice to enable the student to build a speech that is both interesting and persuasive. The use of the voice and the body in the delivery of the speech. (2) STAATS. M T T H F 8

25. PRINCIPLES OF ARGUMENTATION. Analysis of the debate proposition, preparation of the brief, study of evidence, and class debates. (2) STAATS. M T T H F 9

149. PRINCIPLES OF ACTING. Presentation and discussion of most widely accepted acting techniques, supplemented by practical experience in one-act plays produced publicly during the summer session. (3) DAWES. T T H 1. 6 HRS. ARRANGED

162h. TEACHING HIGH SCHOOL DRAMATICS. See EDUCATION—Teaching Techniques.

162s. TEACHING SPEECH IN THE GRADES. See EDUCATION—Teaching Techniques.

208. HISTORY OF ORATORY. Class study of orations characteristic of the oratory of various periods of history. Prereq., 6 hrs. (3) STAATS. M T T H F 11

291. SEMINAR IN SPEECH. Problems in speech, the various speech movements, and the evolution of the speech curriculum. Remedial speech demands in elementary and secondary school work. Assigned problems. Prereq., 15 hrs. (2-3) STAATS. ARRANGED

295. SEMINAR IN PRODUCTION PROBLEMS. Each student investigates problems in his field of interest. Lectures and group discussions include pageantry, the musical drama, the puppet theatre, the community and church theatre, educational dramatics below the college level, and dramatic criticism. Prereq., 15 hrs. (2-3) DAWES. ARRANGED

EDUCATION

KINDERGARTEN-PRIMARY

1. PLAY AND PLAY MATERIALS. Play and its importance in child development, equipment and play materials, development of organized games. (2) QUICK. M T T H F 7

2. LITERATURE FOR EARLY CHILDHOOD. Children's literature, source material, standards of selection, planning story groups for special occasions, dramatization, and experience in story telling. (3) MACLEOD. DAILY 10

101. ACTIVITIES FOR EARLY CHILDHOOD. Sources of activities and criteria for judging, planning, and an analysis of them to determine the outcomes. A comparison of present day use of activities with formal use of subject matter. 4 lec. and 4 lab. Fee \$3. Prereq., 1 sem. of college work. (3) ESCH. M T T H F 8,9

201. KINDERGARTEN-PRIMARY CURRICULUM. A study of the principles and factors underlying the selection and organization of the content and construction of a curriculum for the kindergarten-primary grades, including some phases of curriculum construction. Prereq., 6 hrs. and Psychology 3 or 5. (3) MACLEOD. DAILY 7

202. CURRENT PROBLEMS IN KINDERGARTEN-PRIMARY EDUCATION. The articulation of the nursery school, kindergarten, and primary grades; recent movements in the kindergarten-primary field, and investigation in a special field of interest. Prereq., 6 hrs. and Psychology 3 or 5. (3) MACLEOD. DAILY 9

ELEMENTARY EDUCATION

112. PRINCIPLES OF ELEMENTARY EDUCATION. A study of the aims of education; the nature of the learner and of society, and the sociological needs of contemporary life. (3) DAILY 7

113. EDUCATIONAL TESTS AND MEASUREMENTS. Standardized and informal new-type tests for the elementary grades and the junior high school; problems involved in the building, administering, scoring, and the interpreting of the results of tests. Fee \$2. (2) CLASS. M T T H F 7

211. THE ELEMENTARY CURRICULUM. The selection and organization of subject matter in the elementary school. Theoretical and practical phases of curriculum making. Prereq., 6 hrs. and Psychology 5. (3) DAILY 9

SPECIAL EDUCATION

222. DIAGNOSIS AND REMEDIAL INSTRUCTION IN ELEMENTARY SUBJECTS. A laboratory course in methods of diagnosis and remedial treatment in the basic elementary school subjects. Each student may have one or more child cases for diagnosis and remedial practice. Prereq., 3 hrs. and Psychology 5. (2) DELAND. M T T H F 11

223. CURRICULUM FOR SPECIAL CLASSES. Types of curricula for special classes. Units of work, materials, and activities suited to wide range of mental levels. Prereq., 3 hrs. and Psychology 5. (3) DELAND. DAILY 7

SECONDARY EDUCATION

130. PRINCIPLES OF SECONDARY EDUCATION. The general purpose of secondary education, relation to other levels of education, content and organization of curricula, and other topics. Prereq., Junior rank or permission. (3) PUGMIRE. DAILY 8

131. EDUCATIONAL TESTS AND MEASUREMENTS. Standardized and informal new-type tests for the junior and senior high schools; problems involved in the building, administering, scoring, and interpreting the results of tests. Fee \$2. (2) CLASS. M T T H F 9

230. HIGH SCHOOL ADMINISTRATION. Problems of school and class organization, discipline, grading, curricula, guidance, and extra-class activities in the secondary school. Prereq., 3 hrs. and Psychology 5. (3) McLAUGHLIN. DAILY 11

231. THE JUNIOR HIGH SCHOOL. The development, organization, and administration of the junior high school including objectives, curricula, guidance, program, methods of instruction, and student activities. Prereq., 9 hrs. and Psychology 5. (2) M T T H F 7

232. THE HIGH SCHOOL CURRICULUM. The high school program of studies, the contributions of various subjects, integration, theories of curriculum construction, curriculum research, and desirable steps in the reorganization of the high school curriculum. Prereq., 6 hrs. including 130. (2) McLAUGHLIN. T T H F 9

SCHOOL ADMINISTRATION AND SUPERVISION

141. VISUAL EDUCATION. The value and relative effectiveness of visual aids in school experience. Practice in the use of representative equipment and materials in classroom procedures on various grade levels. Prereq., 3 hrs. and Psychology 5. (2) M T T H F 1

210. ADMINISTRATION OF THE ELEMENTARY SCHOOL. Types of organization and administration of the elementary school, including special objectives, curriculum, classification and promotion of pupils, and methods and materials of instruction. Prereq., 3 hrs. and Psychology 5. (3) DAILY 8

240. SCHOOL ADMINISTRATION. The state, county, and city boards of education, the superintendent, their powers and duties, and the organization and administration of the public school system. Prereq., 3 hrs. and Psychology 5. (3) Sec. I. DIXON. DAILY 9. Sec. II. DAILY 10

242. CHILD ACCOUNTING. Records and reports which should be available for an intelligent understanding of the welfare of the child. Prereq., 3 hrs. and Psychology 5. (2) DIXON. M T T H F 8

243. THE FEDERAL GOVERNMENT AND EDUCATION. Prereq., 6 hrs. and Psychology 5. (3) PUGMIRE. M T T H F 2 AND 2 HRS. ARRANGED

244. PROBLEMS IN SCHOOL ADMINISTRATION. A course treating intensively special problems determined by the interests of the students. Prereq., 9 hrs. including 240 or 230. (2) ARRANGED

246. SUPERVISION OF INSTRUCTION. The evolution of supervision, outstanding supervisory programs, principles underlying democratic supervision, techniques which promote the growth of the teacher in service. Prereq., 12 hrs. including 201, 211, or 232.

(3) Sec. I. DAILY 10. Sec. II. M T T H F 1 AND TWO HOURS ARRANGED

247. THE IMPROVEMENT OF THE EXAMINATION. Designed to improve both the objective and essay type of testing. Emphasis is placed upon principles and practice. Tests are constructed and criticized. Practice is given in interpreting test results. Prereq., 5 hrs. including 113 or 131 and Psychology 5. (2) CLASS. M T T H F 10

248. VOCATIONAL GUIDANCE. The various phases of educational and vocational guidance. Prereq., 6 hrs. and Psychology 5.

(2) M T T H F 11

HISTORY AND PHILOSOPHY

150. HISTORY OF MODERN ELEMENTARY EDUCATION. The development of elementary education, especially in American Schools.

(3) WAGNER. DAILY 11

251. HISTORY OF EDUCATION IN THE UNITED STATES. The European social, economic, and political influence on colonial life and education. The development and expansion of public education in the United States. Prereq., 3 hrs. and Psychology 5.

(3) PUGMIRE. DAILY 9

255. PHILOSOPHY OF EDUCATION. The meaning and educational implications of idealism, pragmatism, and behaviorism and their influence on trends in educational theory and practice. Prereq., 9 hrs.

(3) HOUF. DAILY 8

256. PROGRESSIVE EDUCATION AT HOME AND ABROAD. A study of a movement in education which questions beliefs, judgments, and practices in organized education. Prereq., 12 hrs. and Psychology 5.

(3) BEECHEL. DAILY 7

257. CURRENT EDUCATIONAL LITERATURE. A comprehensive study of current contributions to education. Fee \$3. Prereq., 6 hrs. and Psychology 5.

(3) CLASS. DAILY 11

LABORATORY SCHOOL SUPERVISION

273. SUPERVISION OF STUDENT TEACHING. Provides the novice supervising critic with experience in guiding students doing student teaching. Graduate students with teaching experience are admitted by permission. Prereq., 211 or 232 and 271 or with 271.

(4-6) BEECHEL. ARRANGED

RESEARCH AND SCIENTIFIC TECHNIQUES

281. EDUCATIONAL STATISTICS. The tabulation and graphical representation of measures of dispersion and central tendency. Practice in the use of statistical tables and calculating machines. Prereq., 6 hrs. and Psychology 5.

(3) McLAUGHLIN. DAILY 10

284. RESEARCH IN EDUCATION. Students are directed in the investigation of selected phases of educational theory and practice. Prereq., 9 hrs. and Psychology 5.

(2-6) BEECHEL, BENZ, CLASS, AND VISITING LECTURERS. ARRANGED

284. RESEARCH IN EDUCATION — THE STATE CURRICULUM IN ELEMENTARY EDUCATION. A critical evaluation of the proposed program for the elementary schools as formulated by the State Committee.

(3) HANSEN. M T T H F 2, AND TWO HOURS ARRANGED

287. RESEARCH IN BUSINESS TEACHING PROBLEMS. Prereq., 20 hrs. Commerce and permission. (2-4) MILLER. ARRANGED
395. THESIS. (4-8) THE STAFF

STUDENT TEACHING AND PREREQUISITES

The College of Education specifies 3 semester hours of observation and participation and from 4 to 8 semester hours of student teaching in the requirements outlined for the degree of Bachelor of Science in Education and for the two and three-year diplomas. Student teaching credit may be transferred from accredited colleges, but will not fully satisfy the requirements. In no case shall fewer than 2 or 3 semester hours of student teaching in the training schools of the University satisfy this requirement.

Students with approved teaching experience who wish to take their Observation and Student Teaching during the summer session may be allowed to satisfy the requirement by taking two semester hours of Observation and Participation and three semester hours of Student Teaching. Students who are planning to graduate with the two-year kindergarten-primary diploma will be required to take two semester hours of Student Teaching, in addition to the general requirement, to gain experience in both the kindergarten and primary fields. A student without experience will not be able to complete the full requirement of three hours of Observation and Participation and four hours of Student Teaching during the summer session. It will be possible, however, to complete four hours of Advanced Student Teaching in elementary education. Student Teaching reservations should be made before the opening of the summer session. Reservation blanks may be secured from the Director of Teacher Training, Ohio University.

GENERAL PREREQUISITES FOR ALL STUDENT TEACHING:

1. At least C average in English Composition or C grade in the last semester of English Composition.
2. Demonstrated ability to speak and write English correctly and effectively.

PREREQUISITES FOR STUDENT TEACHING IN THE ELEMENTARY SCHOOL:

1. Completion of at least 32 semester hours of the outlined course including prerequisite requirements with at least as many points as semester hours attempted.
2. A score of at least 80 on the Ayers Scale for Handwriting.

PREREQUISITES FOR STUDENT TEACHING IN THE HIGH SCHOOL:

1. Completion of 90 semester hours of the outlined course with at least as many points as semester hours attempted.
2. Completion of not fewer than 16 semester hours in the subject in which the student wishes to teach, with at least as many points as semester hours attempted.
3. Completion of the following courses in education with at least as many points as semester hours attempted.
 - Principles of Secondary Education (3)
 - Techniques of Teaching (in subject he wishes to teach) (2)
 - Educational Psychology (3)
 - High School Observation and Participation (3)
 - *Educational Measurements (2)

*Not required of majors in art, commerce, home economics, industrial arts, mathematics, music, or physical welfare.

STUDENT TEACHING AND OBSERVATION AND PARTICIPATION

171. OBSERVATION AND PARTICIPATION IN KINDERGARTEN-PRIMARY GRADES. The course should be taken in conjunction with course 172.

(2) McCracken and Supervising Critics

172. STUDENT TEACHING IN KINDERGARTEN-PRIMARY GRADES. Fee \$3. Prereq., 171 or with 171. (3) McCracken and Supervising Critics

173. STUDENT TEACHING IN KINDERGARTEN-PRIMARY GRADES. Students specializing in kindergarten do two semester hours of student teaching in the first and second grades; those specializing in primary grades, in the kindergarten. Fee \$2. Prereq., 172.

(2) McCracken and Supervising Critics

174. ADVANCED STUDENT TEACHING IN KINDERGARTEN-PRIMARY GRADES. Fee \$1 for each credit hour. Prereq., 172 and 173.

(2-4) McCracken and Supervising Critics

175. OBSERVATION AND PARTICIPATION IN INTERMEDIATE GRADES. The course should be taken in conjunction with 176.

(2) McCracken and Supervising Critics

176. STUDENT TEACHING IN INTERMEDIATE GRADES. Fee \$3. Prereq., 175 or with 175. (3) McCracken and Supervising Critics

177. ADVANCED STUDENT TEACHING IN INTERMEDIATE GRADES. Fee \$1 for each credit hour. Prereq., 176.

(2-4) McCracken and Supervising Critics

178. STUDENT TEACHING IN SPECIAL EDUCATION. Fee, \$3. Prereq., 175 or with 175. (3) McCracken and Supervising Critics

180. OBSERVATION AND PARTICIPATION IN HIGH SCHOOL ACADEMIC SUBJECTS. (2) McCracken

181. STUDENT TEACHING IN HIGH SCHOOL ACADEMIC SUBJECTS. Fee, \$3. Prereq., 180 or with 180. (3) McCracken and Supervising Critics

182. OBSERVATION AND PARTICIPATION IN SPECIAL SUBJECTS.

(2) McCracken and Supervising Critics

Majors in art and music observe largely in the elementary field.

Majors in commerce and industrial arts observe in the junior and senior high schools.

Majors in home economics take the course in conjunction with Course 183.

Majors in physical welfare divide the observing time equally between the elementary grades and the high school.

183. STUDENT TEACHING IN SPECIAL SUBJECTS. These subjects are art, commerce, home economics, industrial arts, music, and physical welfare. Fee \$1 for each credit hour. Prereq., 182 or with 182.

(2-4) McCracken and Supervising Critics

273. SUPERVISION OF STUDENT TEACHING. See Laboratory School Supervision.

TEACHING TECHNIQUES

(ART AND INDUSTRIAL ARTS)

60c. TEACHING OF DESIGN FOR EARLY CHILDHOOD. Prereq., Painting and Allied Arts 3. 4 lab. (1) ABEL. M T T H F 8

60g. TEACHING OF DESIGN FOR INTERMEDIATE AND HIGHER GRADES. Prereq., Painting and Allied Arts 3. 4 lab. (1) ABEL. M T T H F 11

160h. TEACHING OF THE SPACE ARTS. Prereq., Painting and Allied Arts 103, 115, 117. (2) WAY. M T T H F 9

160m. TEACHING OF INDUSTRIAL ARTS. *Teaching Problems in Industrial Arts*, by Ericson, will be used as a text. (3) DAILY 11

(COMMERCE)

161t. TEACHING OF TYPEWRITING. Prereq., Secretarial Studies 16 or equivalent. (2) MILLER. M T T H F 8

(DRAMATIC ART)

162h. TEACHING HIGH SCHOOL DRAMATICS. Sources of dramatic material on the high school level. Methods of casting, staging, and production from the point of view of the secondary school. Organization and function of the dramatic club. Prereq., 4 hrs. and 12 hrs. English or permission. (2) DAWES. M T T H F 11

162s. TEACHING SPEECH IN THE GRADES. The various phases of speech work in the elementary grades. Assembly programs, oral interpretation, intra-class and inter-class debates, platform delivery, and educational dramatics. (2) DAWES. M T T H F 10

(ELEMENTARY EDUCATION)

63a. TEACHING OF READING IN PRIMARY GRADES. Period of preparation for reading instruction, the initial period, period of rapid growth in fundamental attitudes, habits and skills; scientific investigations and their results. (2) ESCH. M T T H F 11

63b. TEACHING OF READING IN INTERMEDIATE GRADES. A study of the materials of reading, methods and procedures, diagnostic and remedial work. (2) M T T H F 7

63i. TEACHING OF ARITHMETIC IN INTERMEDIATE GRADES. Methods of presenting the subject-matter of the arithmetic curriculum in grades 4, 5, and 6; results of experimental investigation; standardized tests and mechanical drill devices. (3) BENZ. DAILY 7

63p. TEACHING OF ARITHMETIC IN PRIMARY GRADES. Methods of teaching the subject-matter of the arithmetic curriculum in grades 1, 2, and 3; results of experimental studies and of recent developments in educational psychology. (3) ESCH. DAILY 10

(ENGLISH)

64g. TEACHING OF LANGUAGE IN THE GRADES. Composition, grammar, and spelling in grades 3 to 6. Prereq., English 3. (2) 1st sec., M T T H F 7; 2nd sec., M T T H F 9

164a. TEACHING OF ENGLISH IN THE SENIOR HIGH SCHOOL. A study of the content and presentation of poems, dramas, and novels. Prereq., English 4 and Junior standing. (2) M T T H F 11

164j. TEACHING OF HIGH SCHOOL JOURNALISM. For those who wish to use the journalism motive in English composition classes, those who may direct the editing of high school publications, or those who plan to teach journalism. Fundamentals of newspaper writing and editing. Attention to preparation of school publicity copy for newspapers. (2) LASHER. M T T H F 10

(FOREIGN LANGUAGE)

165f. TEACHING OF FRENCH. Prereq., French 102. (2) NOSS. ARRANGED

165r. TEACHING OF LATIN. Aims and methods of teaching Latin, the relation of Latin to English, determining the comparative merit and choice of textbooks, and important reference material for teachers of high school Latin. Some study of important principles of the language. Prereq., 103 or permission. (2) HILL. M T T H F 8

(HOME ECONOMICS — see Science)

(MATHEMATICS — see Science)

(MUSIC)

166f. TEACHING OF MUSIC IN THE FIRST SIX GRADES. (3) DANIELSON. DAILY 9

166m. TEACHING OF INSTRUMENTAL MUSIC. Methods of organizing and conducting classes in instrumental music and a survey of materials. Problems of organizing bands and orchestras. (3) INGERHAM. DAILY 11

(PHYSICAL WELFARE)

167b. TEACHING OF COACHING—WOMEN. Theory and practice of coaching field activities, hockey, and basketball. Fee \$1.

(2) LATOURRETTE. M T T H F 10

167d. COACHING OF BASEBALL. Theory and practice. Fee \$1.

(1) TRAUTWEIN. First four weeks, M T T H F 11

167e. COACHING OF BASKETBALL. Theory and practice. Fee \$1.

(2) GROVER. First four weeks. T T H 1,2; S 1
Second four weeks. M W 1,2; F 1

167f. COACHING OF FOOTBALL. Theory and practice. Fee \$1.

(2) PEDEN. First four weeks. M W 1,2,3; F 1,2
Second four weeks. T T H 1,2,3; S 1,2

167h. TEACHING OF HEALTH. Instruction, principles, and curricula used in presenting health information to children of the different school levels. Prereq., Physical Welfare 22. (2) TREPP. For the eight weeks. M T T H F 11
Second four weeks. M T T H F 7

167p. TEACHING OF PHYSICAL WELFARE. Physical Education for elementary and secondary schools. Not required of majors.

(1) RHOADS. W S 8

167t. COACHING OF TRACK. Theory and practice in track and field athletics. Fee \$1. (1) GROVER. Second four weeks. M T T H F 11

(SCIENCE)

168a. TEACHING OF AGRICULTURE. Agricultural instruction suited to rural, village, and city schools. (3) COPELAND. ARRANGED

168g. TEACHING OF GENERAL SCIENCE. (2) MATHENY. M T T H F 9

168h. TEACHING OF HOME ECONOMICS. Prereq., 6 hrs. Home Economics. (2-3) PATTERSON. M T T H F 7

168m. TEACHING OF MATHEMATICS IN SENIOR HIGH SCHOOL.

(2) BENZ. M T T H F 10

168p. TEACHING OF PHYSICS. Physics in the curriculum. Objectives, selection of subject-matter and laboratory work, and order of treatment. Prereq., one course in physics. (2) GREEN. M T T H F 10

168s. TEACHING OF CHEMISTRY AND LABORATORY PRACTICE. Instruction and practice in laboratory teaching and supervision. Prereq., permission.

(2) MORTON. ARRANGED

(SOCIAL SCIENCES)

169b. TEACHING OF HISTORY IN ELEMENTARY SCHOOLS.

(2) SMITH. M T T H F 9

169g. TEACHING OF GEOGRAPHY. This course deals with the professionalized subject-matter of geography in the grades and junior high school. 3 or 4 field trips during afternoons. (3) COOPER. DAILY 8

169h. TEACHING OF HISTORY AND CIVICS IN JUNIOR AND SENIOR HIGH SCHOOLS. (2) SMITH. M T T H F 10

ELECTRICAL ENGINEERING

101. PRINCIPLES OF RADIO. Preliminary study of electrical circuits, resonance and tuning applications, the vacuum tube, amplifier circuits, the complete receiver, radio transmitters, antennae and transmission lines. Laboratory work includes such experiments as measurement of coils and condensers, use of frequency meters, assembling and aligning of receivers, tun-

ing and operation of transmitters, and elementary measurement of radio field intensity. 4 lec. and 4 lab. Fee \$3. Prereq., Mathematics 5 and 6.

(3) GREEN. Lec. M T T H F 9
Lab. W S 9, 10

106. COMMERCIAL RADIO. A detailed study of the principles, construction, and operation of radio transmitters and receivers, including both the short wave amateur type and the commercial broadcast station from microphone to antenna. Students practice adjusting and operating radiophone transmitters. Inspection trip to some commercial station. 2 lec. and 4 lab. Fee \$2. Prereq., 101 or permission.

(2) GREEN. Lec. M T 9
Lab. W S 9, 10

125. ACOUSTICS. The fundamental principles of sound generation and propagation in free space and in enclosures. Laboratory includes measurements with the cathode ray oscillograph, sound intensity meters, standard oscillators, and acoustic bridges. 4 lec. and 4 lab. Fee \$3. Prereq., Physics 113 and 114, and Mathematics 118.

(3) GREEN. Lec. M T T H F 7
Lab. W S 7, 8

133. ILLUMINATING ENGINEERING. The principles of life and radiation, various light sources, their characteristics and efficiencies, principles and practice of photometry, design of illumination for various types of homes and industries. Laboratory parallels theory giving the student practice in illumination measurements. 2 lec. and 4 lab. Fee \$2. Prereq., Physics 114 and Mathematics 118.

(2) GREEN. Lec. M T 7
Lab. W S 7, 8

211. ADVANCED RADIO LABORATORY. Special problems of current interest in the field of radio engineering. 4-8 lab. Fee, \$1 for each credit hour. Prereq., 101 or 203.

(1-2) GREEN. ARRANGED

ENGLISH

3. ENGLISH COMPOSITION. Emphasis is placed upon practice in composition.

(3) CASKEY. DAILY 9. RICHARDSON. DAILY 10

4. ENGLISH COMPOSITION. A continuation of course 3.

(3) ALLEN. DAILY 8
DAILY 10

64g. TEACHING OF LANGUAGE IN THE GRADES. See EDUCATION—Teaching Techniques.

101. SOPHOMORE ENGLISH LITERATURE. A study of eight of the chief English authors from the beginnings of English literature to 1750. Prereq., 4.

(3) CASKEY. DAILY 10

102. SOPHOMORE ENGLISH LITERATURE. A continuation of course 101; a study of chief English authors from 1750 to the present. Prereq., 4.

PECKHAM. DAILY 8
DAILY 9

125. AMERICAN POETRY FROM 1815 TO 1890. Prereq., 4.

(3) PECKHAM. DAILY 9

127. AMERICAN PROSE. Selected material from the chief prose writers from Franklin to Holmes. Prereq., 4.

(3) HEIDLER. DAILY 8
RICHARDSON. DAILY 11

130. ENGLISH PROSE OF THE 19TH CENTURY. A study of the English prose essay of the nineteenth century. Prereq., 4.

(3) FOSTER. DAILY 9

164a. TEACHING OF ENGLISH IN THE SENIOR HIGH SCHOOL. See EDUCATION—Teaching Techniques.

175. CREATIVE WRITING. The work is adapted to the individual and the instruction is largely by conference. Prereq., 4 and permission.

(2) RICHARDSON. ARRANGED

202. SHAKESPEARE. A study of the tragedies. Prereq., 12 hrs.
(3) ALLEN. DAILY 9
207. MILTON. Prereq., 12 hrs. (2) FOSTER. M T T H F 7
214. AMERICAN PROSE FICTION. The development of the American novel from the colonial period to the present, with major emphasis upon late eighteenth century and nineteenth century productions. Prereq., 12 hrs.
(3) HEIDLER. DAILY 9
216. EIGHTEENTH CENTURY LITERATURE. Studies in the age of Johnson. Prereq., 12 hrs. (2) CASKEY. M T T H F 8
226. STUDIES IN AMERICAN LITERATURE. Native American humor. Prereq., 12 hrs. (3) FOSTER. DAILY 8
234. MODERN CONTINENTAL DRAMA. A reading and discussion of modern and contemporary plays. Prereq., 12 hrs. (2) PECKHAM. M T T H F 11
273. CHAUCER. Prereq., 12 hrs. (3) HEIDLER. DAILY 10
395. THESIS. (4-8) THE STAFF

GEOGRAPHY AND GEOLOGY

5. COMMERCIAL AND INDUSTRIAL GEOGRAPHY. A study of the world's major products and their distribution and consumption. Not open to students who have had Marketing 15. (3) DOW. DAILY 10
102. GEOGRAPHY OF NORTH AMERICA. A regional study of North America exclusive of Mexico, Central America, and the West Indies.
(3) MACLACHLAN. DAILY 8
108. GEOGRAPHY OF EUROPE. The course develops in detail the geography of the natural resources of the continent and the geographic environment which influences them. (3) DOW. DAILY 11
126. GEOLOGY, HISTORICAL. A study of historical geology. Four or five field trips during afternoons. 4 lec. and 2 lab. Fee \$3. Prereq., 125.
(3) MACLACHLAN. DAILY 9
131. GEOGRAPHY OF OHIO. The geography of Ohio is developed from the regional point of view and by means of the problem method.
(2) COOPER. M T T H F 10
132. CONSERVATION OF NATURAL RESOURCES. A study of the vital problems of the conservation of soils, minerals, forests, wild life, and inland waters. (2) DOW. M T T H F 9
150. GEOGRAPHY AND ENVIRONMENT. (Advanced Principles of Geography). A course in the aspects of geography which have to do with the adjustments of man to his natural environment throughout the world.
(3) COOPER. DAILY 7
- 169g. THE TEACHING OF GEOGRAPHY. See EDUCATION—Teaching Techniques.
201. WEATHER AND CLIMATE. The atmosphere and its processes. Weather forecasting and the causes and distribution of climate. 4 lec. and 2 lab. Fee \$3. Prereq., 6 hrs. (3) MACLACHLAN. DAILY 7
215. CARTOGRAPHY AND GRAPHICS. The elementary principles of map drawing and graph making. Prereq., 12 hrs. (1-2) DOW. ARRANGED
381. RESEARCH IN GEOGRAPHY. Prereq., 15 hrs.
(1-2) COOPER. ARRANGED

GERMAN

1s-2s. BEGINNING GERMAN. Drill in pronunciation and grammar, simple reading, and some practice in conversation. Students who have had Course 1, or its equivalent, may register for Course 2s (3) only and may

enter the class after the first four weeks. However, it is generally advisable that such persons attend the class the entire session for a systematic review.

(6) MUELLER. DAILY 8, 9

101s. INTERMEDIATE GERMAN. Systematic training in pronunciation, reading, translation, and formal composition. The course fits the needs of those desiring either semester of second year German and will not duplicate other second year courses given previously. Prereq., 2 or 2 yrs. high school German. (3) MUELLER. DAILY 11

121. GERMAN PROSE READINGS. Essays dealing with German history and literature will be read in this course and there will be ample opportunity for speaking German. Prereq., 102. (2) MUELLER. M T T H F ARRANGED

GOVERNMENT

1. AMERICAN GOVERNMENT. The national government of the United States. Origins, the Constitution and its makers, national party systems, powers and duties of departments, government of dependencies, and independent and emergency services. (3) MORRISON. DAILY 8

216. INTERNATIONAL RELATIONS. The foundations of international relations, including nationalism, imperialism, racial and economic factors, settlement of international disputes, and the international policies of the United States. Prereq., 6 hrs. (3) SMITH. DAILY 7

231. EUROPEAN GOVERNMENTS. The government and politics of the major European countries, with the emphasis on basic principles and theories. Prereq., 6 hrs. Government or History. (3) JONES. DAILY 8

301. PROBLEMS IN GOVERNMENT. Prereq., 15 hrs. Government or History. (1-3) SMITH. ARRANGED

395. THESIS. (4-8) THE STAFF

HISTORY

1, 2. A SURVEY OF EUROPEAN CIVILIZATION. The development of European civilization from the decline of the Roman Empire to the present with a consideration of economic, social, intellectual, cultural, and political phases. (3) Course 1, RICHARDSON. DAILY 10
Course 2, JONES. DAILY 9

101. ENGLISH HISTORY TO 1485. (2) RICHARDSON. M T T H F 8

110. HISTORY OF UNITED STATES TO 1861. (3) FIELD. DAILY 10

111. HISTORY OF UNITED STATES SINCE 1861. (3) HOOVER. DAILY 9

115. THE OLD SOUTH. The plantation regime in the United States to 1861. The establishment in Virginia and spread to include staple productions of tobacco, rice, sugar, cotton; the routine of plantation life for master and slave; the situation for the Uplanders; and the position of the South in national affairs. The system is evaluated. (3) MORRISON. DAILY 10

169b. TEACHING OF HISTORY IN ELEMENTARY SCHOOLS. See EDUCATION—Teaching Techniques.

169h. TEACHING OF HISTORY AND CIVICS IN JUNIOR AND SENIOR HIGH SCHOOLS. See EDUCATION—Teaching Techniques.

204. ENGLISH HISTORY, STUART PERIOD. Prereq., 6 hrs. (2) JONES M T T H F 11

243. MEDIEVAL HISTORY. A study of the social, economic, and cultural forces of the Middle Ages. Prereq., 6 hrs. (3) RICHARDSON. DAILY 11

254. CONTEMPORARY UNITED STATES. The United States since 1900, with emphasis on recent developments. Prereq., 6 hrs. (3) MORRISON. DAILY 9

255. CONSTITUTIONAL HISTORY. Prereq., 6 hrs.
(2) HOOVER. M T T H F 10
258. STATESMEN OF THE UNITED STATES. Prereq., 6 hrs.
(2) HOOVER. M T T H F 8
391. SEMINAR IN HISTORY. Prereq., 15 hrs. and permission.
(1-3) THE STAFF. ARRANGED
395. THESIS.
(4-8) THE STAFF

HOME ECONOMICS

4. CLOTHING APPRECIATION. Clothing problems of the college girl, psychology of clothing, good taste in dress. How to plan, purchase and care for, and how to construct a satisfactory wardrobe. 2 lec. and 8 lab. Fee \$3.
(3) MORSE. W S 8; M T T H F 7, 8

22. ECONOMICS OF FOODS. Food markets and marketing problems from the standpoint of the consumer. Planning and preparing meals for various budget levels. Study of time element, amount of work, and equipment involved in food preparation. 2 lec. and 8 lab. Fee \$3.

(3) PATTERSON. W S 10; M T T H F 10, 11

168h. TEACHING OF HOME ECONOMICS. See EDUCATION—Teaching Techniques.

200. PROBLEMS IN HOME ECONOMICS. Students are required to plan and complete a problem in one of the specialized fields in Home Economics. Prereq., Junior standing and 6 hours in a field in Home Economics.

(2-4) THE STAFF. ARRANGED

212. CREATIVE TEXTILE PROBLEMS. Students are given opportunity to develop original ideas in textiles, garment designs, decorations. Prereq., 110 and 3 hrs. Art.

(2-4) MORSE. W S 7 AND LAB. ARRANGED

216. CLOTHING DESIGN AND CONSTRUCTION. Original designs developed and draped. Construction problems in tailoring. 2 lec. and 9 lab. Fee \$3. Prereq., 1 or 4 and 110.

(3) MORSE. W S 10; M T T H F 10, 11

222. EXPERIMENTAL COOKERY. Experimentation, investigation, and research in methods of cookery. Individual or group work on selected topics. 2 lec. and 8 lab. Fee \$3. Prereq., 21 or 22, and 3 hrs. Chem.

(3) PATTERSON. W S 8; M T T H F 8, 9

251. HOME MANAGEMENT. A study of the economic use of time, energy, and money in the successful functioning of a home. Prereq., 21 or 22 and 32.

(2) JUSTIN. M T T H F 10

253. HOME MANAGEMENT LABORATORY. Residence in the home management house provides managerial experience in the use of time, energy, and money in the modern household. Prereq., 21 or 22 and 32.

(2) JUSTIN. ARRANGED

272. CHILD DEVELOPMENT. A study of the child with reference to the problems of parents. The course deals with the child's mental health, social and emotional development, and with parental techniques for the guidance of young children. 2 lec. and 4 hours nursery school observation. Prereq., 21 or 22, 1 or 110, or 6 hours Psy.

(2) SNYDER. W S 7 AND LAB ARRANGED

273. FAMILY RELATIONSHIPS. A study of the functioning of the successful family and the factors that affect its establishment and maintenance. Prereq., 272, 3 hrs. Sociology, and 3 hrs. Psychology. (3) JUSTIN. DAILY 9

351. SPECIAL PROBLEMS IN HOME ECONOMICS. Students select special problems for individual research under the supervision of a member of the staff. The work of the course is devoted to the planning, executing, and testing of results of individual problems of research. Prereq., 18 hrs.

(2-3) THE STAFF. ARRANGED

INDUSTRIAL ARTS

1-2. ELEMENTARY WOODWORKING. The operation of hand and machine woodworking tools. Drawings and job sheets will be used in constructing projects. 2 lec. and 8 lab. Fee \$3. (3) PAIGE. DAILY 10, 11

7. SHEET METAL. Cutting, forming, seaming, soldering, and riveting of materials used in sheet metal construction. The development of patterns and a knowledge of the sheet metal industry is an essential consideration. 2 lec. and 6 lab. Fee \$2. (2) M T T H F 7, 8

8. GENERAL SHOP. The following fields of activities organized on the basis of the Junior High School shop will be covered: mechanical drawing, electricity, metal, and wood. 2 lec. and 6 lab. Fee \$2. (2) KINISON. M T T H F 9, 10

109-110. CABINET MAKING. Paneling, veneering, drawer construction, framing, and door fitting. The student works from blue prints and drawings. As the student advances, a difficult cabinet is constructed. 12 lab. Fee \$3. Prereq., 2. (3) PAIGE. DAILY 7, 8

141-142. PRINTING. A study of the composition and nomenclature of type, point system, proof reading, and printing history. Laboratory work consists of learning the case, composition of straight matter and headings, distribution, pulling and correcting proofs, imposition, and platen press work. Studies of papers and paper making, care of stock, harmony and proportion, linoleum cuts, and setting job composition are included. 2 lec. and 10 lab. Fee \$3. (3) KINISON. DAILY 7, 8

160m. TEACHING OF INDUSTRIAL ARTS. See EDUCATION—Teaching Techniques.

212. SCHOOL SHOP EQUIPMENT AND ORGANIZATION. A study of equipment, school shop arrangement, machine importance, handling of supplies, and types of shop organizations. (3) PAIGE. DAILY 9

350. ADVANCED WORK IN WOOD, METAL OR PRINTING. Advanced laboratory work in wood, metal, or printing. A study of industrial practice in the field selected by the student. Prereq., 8 hrs. in the selected field. (3) THE STAFF. ARRANGED

355. SPECIAL PROBLEMS IN GENERAL SHOP. A theory course dealing with the organization, equipment, and management of the general shop as related to the small high school. Prereq., 12 hrs. (3) DAILY 10

381. RESEARCH IN INDUSTRIAL ARTS. Prereq., 15 hrs. (3) KINISON. DAILY 11

JOURNALISM

103. NEWS WRITING. The course deals with the simple news story, stressing the lead. Particular attention is paid to diction and usage and to the fundamentals of sentence structure. Prereq., Eng. 4. (2) LASHER. M T T H F 8

110. WRITING FOR PUBLICATIONS. This course is designed for teachers, school administrators, social workers, and others who wish to know the elementary technique of writing news and feature stories in order to publicize their particular interests. Legitimate methods of getting material into news papers, magazines, professional journals, and other publications are discussed. Prereq., English 4. (2) LASHER. M T T H F 9

111-112. REPORTING PRACTICE. Students are assigned to general reporting on *The Athens Messenger*. In the latter part of the course a student will be permitted, as far as possible, to specialize in the particular field of reporting he desires. Prereq., 108. (2-3) SMILEY. ARRANGED

113. REPORTING PRACTICE. Prereq., 112. (2) SMILEY. ARRANGED

116. **SPORTS WRITING AND EDITING.** The course deals with the technique of gathering, writing, and editing news and comment concerning all kinds of sports. Attention is paid to the promotion of community sports. Prereq., junior or senior rank. (2) KELLY. M T T H F 11

121-122. **EDITING PRACTICE.** Students are assigned to copyreading on *The Athens Messenger*. Prereq., 118 and permission.

(2-4) HARRIS. ARRANGED

164j. **TEACHING OF HIGH SCHOOL JOURNALISM.** See EDUCATION—Teaching Techniques.

201. **ADVANCED REPORTING.** Experience at *The Athens Messenger* in some specialized field. Prereq., 112. (2) SMILEY. ARRANGED

221s. **FEATURE AND MAGAZINE WRITING.** A study of newspaper, magazine, and syndicate feature stories is followed by practice in writing different types. Some of the problems considered are: how to discover desirable material, how to secure suitable illustrations, how to bring out the dominant interest, how to prepare and sell manuscripts. Prereq., 111 or 12 hrs. Eng.

(2) LASHER. M T T H F 11

MATHEMATICS AND ASTRONOMY

5. **FRESHMAN MATHEMATICS.** The number system, the rational operations, equations, exponents, radicals, logarithms, the trigonometric functions, right triangles, the binomial theorem, quadratic equations, linear equations, determinants, graphs, theory of equations, functions of multiple angles, and the solution of triangles. Prereq., 3, or one year high school algebra and one year high school geometry. (5) REED. M T T H F 8, 9; W S 8

*6a. **FRESHMAN MATHEMATICS.** Complex numbers, coordinate systems, progressions, the straight line, circle, conic sections, and polar forms. Prereq., 5. (3) MARQUIS. DAILY 9

*34. **MATHEMATICS OF FINANCE.** A study of interest, annuities, sinking funds, valuation of bonds, capitalized cost, life insurance, and life annuities. Prereq., 3, or one year high school algebra and one year high school geometry. (3) MARQUIS. DAILY 9

105. **COLLEGE GEOMETRY.** Problems of construction, loci, indirect methods, similar and homothetic figures, the triangle, medians, bisectors, altitudes, and transversals. Prereq., 6. (3) MARQUIS. DAILY 11

112. **DESCRIPTIVE ASTRONOMY.** The earth as an astronomical body, the motions and physical characteristics of the sun and other bodies of the solar system, and the distances, constitution, and distribution of stars and nebulae. The simple principles of physics and mathematics needed to understand the subjects are developed. Prereq., 3, or one year high school algebra and one year high school geometry. (3) REED. DAILY 10

Evening periods to be arranged.

117. **DIFFERENTIAL CALCULUS.** Variables, functions, limits, differentiation and its application to maxima and minima, differentials, curvature, and the theorem of mean value. Prereq., 6.

(4) MARQUIS. DAILY 8, AND TWO OTHER HOURS ARRANGED

168m. **TEACHING OF MATHEMATICS IN SENIOR HIGH SCHOOL.** See EDUCATION—Teaching Techniques.

395. **THESIS.**

(4-8) THE STAFF

MUSIC

APPLIED MUSIC

ORGAN. Private instruction in organ according to the individual ability of the student. Two lessons a week. (1) KRESGE. ARRANGED

*The course in greater demand will be given.

PIANO. Private instruction in pianoforte according to the individual ability of the student. Two lessons a week.

(1) FONTAINE, KRESGE. ARRANGED

VIOLIN. Private instruction in violin according to the individual ability of the student. Two lessons a week.

(1) INGERHAM. ARRANGED

WOOD AND BRASS INSTRUMENTS. Private instruction in band instruments according to the individual ability of the student.

(1) JANSSEN. ARRANGED

HISTORY AND THEORY

*11-12. MUSIC HISTORY. General development of music in all its phases from the primitive and ancient peoples through the classic music of the eighteenth century. Frequent incidental reports of contemporary music.

(2) JANSSEN. M T T H F 8

*105. HARMONY. Formation of major and minor scales; intervals, triads, and their relations in close and open positions; harmonizing of melodies; inversions, cadences, sequences, passing and auxiliary notes; original work.

(2) KRESGE. M T T H F 9

*106. HARMONY. Continuation of 105.

(2) KRESGE M T T H F 9

113. ANALYSIS AND FORM. Detailed structural and harmonic analysis of musical compositions; monophonic and polyphonic analysis. Material used: *The Hymnal: Songs Without Words*, etc. Prereq., 106.

(2) ROBINSON. M T T H F 10

*114. ANALYSIS AND FORM. Continuation of 113.

(2) ROBINSON. M T T H F 10

217. COUNTERPOINT. The multiple forms of counterpoint. Double and triple counterpoint with and without free parts. Special attention is given to the *Inventions* and *Partitas* of *Bach*. Students write short, original compositions in the contrapuntal form. Prereq., 116.

(2) FONTAINE. ARRANGED

395. THESIS.

(5) THE STAFF

MUSIC ACTIVITIES

SUMMER SESSION BAND. Open to anyone who can meet the technical requirements of his chosen instrument.

(1) JANSSEN. M T T H F 3

SUMMER SESSION CHORUS. Open to anyone who is qualified vocally to participate. Program material includes chorales, madrigals, and other choral forms.

(1) ROBINSON. M W 7, 8

SUMMER SESSION ORCHESTRA. Open to all men and women students of the university. Admission for those demonstrating the required ability is by trials held at the beginning of the summer session.

(1) INGERHAM. M T T H F 2

SCHOOL MUSIC

2. MUSIC FUNDAMENTALS. A course involving elemental theory, ear training, tone production, and sight singing of unison and part songs. Fee \$2.

(2) THACKREY. M W 1 AND 7; T T H 1 AND 11

*3-4. EAR TRAINING AND SIGHT SINGING. Systematically graded exercises to quicken the musical hearing. Oral and written reproduction of melodies in all keys. Unison and part singing at sight.

(2) BLAYNEY. M W 1; DAILY 8

*The courses in greater demand will be given.

NOTE: Practice hours in piano, voice, and violin should be secured at registration time from Mr. Kresge.

122. FOLK DANCES AND SINGING GAMES. Dances and games for grades 1-8 and methods of presentation. (1) DANIELSON. W S 7

125. MUSIC APPRECIATION FOR GRADE TEACHERS. Experience in hearing and identifying good music. Appreciation material and effective methods for its presentation. (1) BLAYNEY. M W T H F 11

166f. TEACHING OF MUSIC IN THE FIRST SIX GRADES. See EDUCATION—Teaching Techniques.

166g. TEACHING OF MUSIC IN THE GRADES. See EDUCATION—Teaching Techniques.

166m. TEACHING OF INSTRUMENTAL MUSIC. See EDUCATION—Teaching Techniques.

173. CONDUCTING. Conducting technique developed. A study of qualities and habits essential to a good conductor. Individual practice in conducting choral material appropriate for use in the junior and senior high schools. (1) DANIELSON. M T T H F 10

PAINTING AND ALLIED ARTS

DESIGN

3. FUNDAMENTALS OF DESIGN. Elementary principles using problems in color, lettering, and composition. Planned for students majoring in elementary education. (2) WILLIS. M T T H F 8, 9

60c. TEACHING OF DESIGN FOR EARLY CHILDHOOD. See EDUCATION—Teaching Techniques.

60g. TEACHING OF DESIGN FOR INTERMEDIATE AND HIGHER GRADES. See EDUCATION—Teaching Techniques.

102. APPLIED DESIGN. Principles applied to posters, decorative boxes, wall hangings, painted tapestries, and table decorations. Prereq., 31. (3) WILLIS. M T T H F 10, 11 AND 4 HRS. ARRANGED

137. COSTUME DESIGN. Design in relation to dress. Designing for individual characters. Adaptation of historic styles to modern costume. Costumes for the stage and for pageants. Prereq., 3, 12 or 71. (2) WAY. M T T H F 8, 9

160h. TEACHING OF THE SPACE ARTS. See EDUCATION—Teaching Techniques.

207. ADVANCED DESIGN. Composition for decorative panels in different media with special emphasis on design. Prereq., 114 and 117 or 211.

(3) WILLIS. M T T H F 10, 11 AND 4 HRS. ARRANGED

391. SEMINAR IN DESIGN. Prereq., 18 hrs. and permission.

(1-5) ABEL. ARRANGED

HISTORY AND THEORY

157. APPRECIATION OF THE SPACE ARTS. Appreciative study of line, mass, color, and form through design, architecture, sculpture, and painting. Prereq., permission. (1) WAY. M T H 11

REPRESENTATION

45. METHODS IN REPRESENTATION. A study of proportion, structure, depth, and action. (2) MITCHELL. T T H 8 AND 6 HRS. ARRANGED

46. METHODS IN REPRESENTATION. Color variations in nature related to paint. (2) MITCHELL. T T H 9 AND 6 HRS. ARRANGED

71. SKETCHING. Quick sketches from life including action and still poses of figures and animals, out-of-door sketching, and contour drawing of objects used in commercial advertising. Fee \$2. (2) WAY. M T T H F 8, 9

121. REPRESENTATION. Practice in methodical representation from still life and cast models in several mediums. Prereq., 45.

(3) MITCHELL. T TH 10 AND 9 HRS. ARRANGED

205. PAINTING. Practical application of theories and methods of representation in color mediums. Prereq., 130 and 141.

(3) MITCHELL. M W F 1 AND 9 HRS. ARRANGED

257. LANDSCAPE PAINTING. Prereq., 206.

(3) MITCHELL. M W F 2 AND 9 HRS. ARRANGED

395. THESIS.

(4-8) THE STAFF

PHILOSOPHY

7. ELEMENTARY ETHICS. A survey of the biological and social influences that affect behavior and of the historical ethical theories. Introduction to an ethical philosophy of life. Class discussion of numerous contemporary personal and social problems.

(2) HOUF. M T TH F 11

103. INTRODUCTION TO PHILOSOPHY. An elementary treatment of the chief problems of philosophy. The course is meant to introduce the student to the most interesting features of serious human thought and to put him in possession of the fundamental ideas necessary for forming a satisfactory philosophy of life.

(3) HOUF. DAILY 10

109. LOGIC. A study of the principles and methods of sound reflective thinking as applied in the special sciences, in oral or written exposition, and in argumentation generally.

(2) GAMERTSFELDER. M T TH F 9

395. THESIS.

(4-8) THE STAFF

PHYSICAL WELFARE

MEN

101. SPORTS. Students may elect from the following group two activities in which they are interested: tumbling and apparatus, handball, touch football, ping pong, cross country, boxing and wrestling, fencing, paddle tennis, volleyball, softball, horseshoe pitching, track and field, archery, fly and bait casting, golf and tennis. Fee \$1. Prereq., 2 or 10.

(1) OLSON. DAILY 8

122. PHYSICAL ACTIVITIES. Theory and practice in the following: touch football, soccer, speedball, basketball, handball, swimming, elementary tumbling, apparatus, and fencing. Methods and materials for teaching games, and fundamental training. The last part of the course includes methods and practice in rhythmic activities. Fee \$1. Prereq., 102 or 110.

(2) OLSON. DAILY 10, 11

167d. COACHING OF BASEBALL. See EDUCATION—Teaching Techniques.

167e. COACHING OF BASKETBALL. See EDUCATION—Teaching Techniques.

167f. COACHING OF FOOTBALL. See EDUCATION—Teaching Techniques.

167t. COACHING TRACK. See EDUCATION—Teaching Techniques.

171. PHYSICAL ACTIVITIES. Advanced practice in tumbling and apparatus. Some attention to pyramids, the physical education circus, and demonstration. An opportunity is given to the student to secure the American Red Cross Life Saving Certificate. Fee \$1. Prereq., 122.

(1) OLSON. DAILY 9

MEN AND WOMEN

22. PERSONAL AND PUBLIC HEALTH. The course provides students with a fundamental knowledge of the source of material and an appreciation of the means whereby the health of the individual and of the group may be improved.

(3) TREPP. DAILY 9

152. KINESIOLOGY. A course in applied anatomy dealing with the principal types of muscular exercises and their relation to the problems of bodily development, bodily efficiency, and the prevention and cure of certain defects and deformities. Prereq., Zoology 115. (2) TREPP. M T T H F 10

153. NATURE AND FUNCTION OF PLAY. Play programs for schools, recreation centers, playgrounds, and scouting. Prereq., 6 hr.

(2) BIRD. First four weeks M T T H F 7, 8
Second four weeks DAILY 9, W S 8

167h. TEACHING OF HEALTH. See EDUCATION—Teaching Techniques.

167p. TEACHING OF PHYSICAL WELFARE. See EDUCATION—Teaching Techniques.

206. ORGANIZATION AND ADMINISTRATION OF PHYSICAL WELFARE. Physical and health education in elementary and secondary schools, normal schools, and colleges. Athletic management, intramural activities, inter-scholastic and intercollegiate athletics. Prereq., 16 hrs.

(2) BIRD. First four weeks DAILY 9, W S 8

351. HEALTH PROBLEMS. A survey of the contents and relationship of the current problems in health education. An opportunity for the investigation of specific problems and for the study of techniques. Prereq., 15 hrs.

(3) TREPP. ASSIGNED

352. PHYSICAL DIAGNOSIS. A study of the functional deficiencies and defects characteristic of children that handicap normal physical, mental, and social development. Also, a study of the techniques in conducting the health examination, clinical service, etc.

(3) BURGER. ASSIGNED

WOMEN

2. SPORTS. Activities are offered according to the season. Students may choose from hockey, soccer, basketball, badminton, tennis, archery, volleyball, baseball, track and field. Fee \$1.

(1) BROWN. DAILY 10

3. SWIMMING. Instruction in strokes and diving according to student's ability. Fee \$1.

(1) LATOURRETTE. DAILY 11

4. LIFE SAVING METHODS. Instruction in strokes and diving according to student's ability. Fee \$1.

(1) SPENCER. DAILY 10

22. PERSONAL AND PUBLIC HEALTH. A course aiming to give the student knowledge of public, personal, and sex hygiene. Not open to those who have had Course 151.

(3) BROWN. DAILY 8

104. SWIMMING. Instruction in strokes and diving according to student's ability. Fee \$1.

(1) SPENCER. DAILY 9

122. PHYSICAL ACTIVITIES. Team and individual sports technique, dancing, swimming, squad work in self-testing activities, track and field. Students are given achievement tests and assigned activities and credit according to test results. Fee \$1.

(1) LATOURRETTE. DAILY 9

131. MASS GAMES. Team games of low organization and mass activities. Fee \$1.

(1) SPENCER. DAILY 11

133. THEORY OF ADAPTED ACTIVITIES. Includes the diagnosis, treatment, and organization or work with postural and foot defects, scoliosis, and other conditions corrected by exercise, as well as the theory of giving physical education to those unable to do the regular gymnasium work. Prereq., 152.

(2) BROWN. M T T H F 9

167b. TEACHING OF COACHING. See EDUCATION—Teaching Techniques.

PHYSICS

1. THE PHYSICAL WORLD. This course acquaints the student in an elementary and descriptive way with the principles underlying the physical world and how these principles are related to man's needs and interests.

(3) BUNDY. DAILY 10

6. INTRODUCTION TO PHYSICS. Sound, electricity, magnetism, and light. Indicated for non-technical and pre-medic students. Fee \$4.

(4) LECTURE, ROSEBERRY. DAILY 7

Laboratory, BUNDY. T TH 8, 9, OR 9 10 AS ARRANGED

113. GENERAL PHYSICS. For major in physics, engineering, mathematics, and chemistry. Prereq., Mathematics 6, Chemistry 4. Fee \$4.

(4) LECTURE, GREEN. DAILY 8

Laboratory, BUNDY. T TH 8, 9, OR 9 10 AS ARRANGED

168p. TEACHING OF PHYSICS. See EDUCATION—Teaching Techniques.

208. X-RAYS. A descriptive lecture course of the principles and applications of x-rays to the problems of physics, medicine, and industry. Prereq., 113, 114.

(2) ROSEBERRY. M T TH F 10

215. ELECTRICAL PHYSICS. A study of the magnetic field, electric potential, electric capacity, electric circuit; measurement of current, potential, capacity, and resistance. Prereq., Mathematics 118.

(3) YOUNG. DAILY 11

224. IONS, ELECTRONS, AND IONIZING RADIATIONS. A study of alpha, beta, gamma radiations, neutrons, positrons, cosmic radiations, structure of the nucleus, structure of atom, and radioactivity. Prereq., 113, 114, and Mathematics 118.

(3) ROSEBERRY. DAILY 11

226. ADVANCED PHYSICS LABORATORY. (b) Electricity and Magnetism. (1-3). (c) Advanced Optics, (1-3). (d) Electronic Physics, (1-3). (e) Sound, (1-3). Fee \$1 for each credit hour. Prereq., 113, 114, and Mathematics 118.

ROSEBERRY, BUNDY, GREEN. ARRANGED

249. INTRODUCTION TO MODERN PHYSICS. The atomic nature of matter, the atomic nature of electricity, corpuscular nature of radiant energy, spectroscopy, waves and corpuscles, atomic spectra. Prereq., Mathematics 118.

(2) BUNDY. ARRANGED

381. RESEARCH IN PHYSICS. Fee \$1 for each credit hour. Prereq., 225, 226.

(1-4) THE STAFF. ARRANGED

391. SEMINAR IN PHYSICS. Prereq., 15 hrs. (1) BUNDY. ARRANGED

395. THESIS. (4-6) THE STAFF

PSYCHOLOGY

1. GENERAL PSYCHOLOGY. An elementary, scientific study of the most significant facts and principles of mental life. Fee \$1.

(3) SCOTT. DAILY 7

PAULSEN. DAILY 11

3. CHILD PSYCHOLOGY. Topics considered: sensory life of child, emotions, curiosity, imagination, memory, imitation, language, art, moral and religious development. Prereq., 1.

(3) PORTER. DAILY 7

5. EDUCATIONAL PSYCHOLOGY. The nature and rate of the learning process. The influence upon learning efficiency of such factors as heredity and environment, maturation, emotion, motivation, etc. Fee \$1. Prereq., 1.

(3) GENTRY. Sec. I, DAILY 9; Sec. II, DAILY 10

113. PSYCHOLOGY OF JUNIOR AND SENIOR HIGH SCHOOL PUPILS. The contributions to adolescent personality of physical growth, glandular changes, and emotions. Interests, religious experiences, and maladjustment are also considered. Prereq., 1.

(2) GENTRY. M T W TH 11

203. MENTAL MEASUREMENTS. The administration, methods and results of individual and group intelligence tests. Fee \$1. Prereq., 6 hrs.

(3) Sec. I. PAULSEN. M T TH F 8, M 2, 3

Sec. II. PAULSEN. M T TH F 9, T 2, 3

Sec. III. SCOTT. M T TH F 10, W 2, 3

210. MENTAL HYGIENE. The course aims to evaluate and synthesize information bearing upon mental health from the following fields: psychology, psychiatry, physiology, medicine, and sociology. Prereq., 8 hrs., or 6 hrs. and 6 hrs. Sociology.

(3) SCOTT. DAILY 9

215. SOCIAL PSYCHOLOGY. An introductory study of the social-mental relations between individuals, significance of instincts, habit formation, and reflection in human social life. Methods of investigating social behavior. Prereq., 6 hrs. (3) PORTER. DAILY 8

217. THE PSYCHOLOGY OF PERSONALITY. Influence of home and school on training and development of children's personality; also adult personality in business and social life. Prereq., 8 hrs. (3) PORTER. DAILY 10

225. MINOR PROBLEMS. Training in the scientific study of some problem of special interest to the student. Relatively independent work emphasized. Prereq., 8 hrs. and permission. (2-6) THE STAFF. ARRANGED

395. THESIS.

(4-8). THE STAFF

ROMANCE LANGUAGES

FRENCH

1s-2s. BEGINNING FRENCH. The essentials of grammar, drill in pronunciation, conversation, and reading. (3-6) NOSS. DAILY 7, 8

102s. INTERMEDIATE FRENCH. A review of grammar, composition, and the reading of a variety of short stories, novels, and plays from modern French literature. Prereq., 2 or two years high school French. (3) NOSS. DAILY 11

119. FRENCH CIVILIZATION. A study of the geography, history, life, current events, customs, government, education, science, press, art, and music of France. Given in English; no knowledge of French necessary. (2) NOSS. M T T H F 9

165f. TEACHING OF FRENCH. See EDUCATION—Teaching Techniques.

271. ADVANCED FRENCH. Specialized courses conducted in French designed to meet the special needs of advanced students. Prereq., 14 hrs. beyond 102. (1-2) NOSS. ARRANGED

395. THESIS.

(4-8) THE STAFF

SPANISH

1s-2s. BEGINNING SPANISH. Equivalent to one year in college or two years in high school. Grammar, reading, and conversation. (3-6) WHITEHOUSE. DAILY 8, 9

101s. INTERMEDIATE SPANISH. Grammar review, idioms, composition, reading, and conversation. For teachers and prospective teachers desiring a thorough review. This course does not conflict or overlap with other work given previously. Prereq., 2 or two years high school Spanish. (3) WHITEHOUSE. DAILY 10

103. SPANISH CULTURE AND CIVILIZATION. The development of culture and civilization in the Hispanic nations. The course is conducted in English and no knowledge of Spanish is needed. (1) WHITEHOUSE. W S 11

251. ADVANCED SPANISH. Subjects and authors to be determined in conference. Prereq., 20 hrs. (1-2) WHITEHOUSE. ARRANGED

395. THESIS.

(4-8) THE STAFF

SOCIOLOGY

3. EDUCATIONAL SOCIOLOGY. Education as a social process. The pupil as a person and a member of various groups. The sociological aspects of the curriculum, classroom organization, and teaching. The school in its relation to the community. (2) JEDDELOH. M T T H F 10

6. RURAL LIFE MOVEMENT. A general review of the various movements and agencies which tend to improve rural life: Grange, Farm Bureau Federation, American Country Life Association, and 4H Clubs. Programs for the improvement of rural society. (2) TAYLOR. M T T H F 10

101. PRINCIPLES OF SOCIOLOGY. The basic facts and principles of human society, of the factors and forces which condition social life, and of the major concepts and techniques employed in sociological investigation and interpretation. (3) TAYLOR. DAILY 9

103. SOCIAL PROBLEMS. A study of major social problems as forms of disorganization of personalities, of social institutions, and of communities as these are influenced by various factors, particularly social change. Prereq., 101. (3) JEDDELOH. DAILY 7

212. POPULATION PROBLEMS. Population studied from the standpoint of numbers and quality in the United States and other sections of the world. Differential fertility, birth control, eugenics, and other problems of population are treated. Prereq., 6 hrs. (3) TAYLOR. DAILY 8

222. JUVENILE DELINQUENCY. Causative factors in juvenile delinquency, characteristics of delinquents, community control of delinquency, juvenile court procedure, probation, and correctional training in institutions. Field contact and the handling of realistic data. Prereq., 6 hrs. (3) JEDDELOH. DAILY 9

239. SOCIAL SERVICE. Social case work. Problems of individuals and families in their social relationships. 5 to 7 hours a week in field work in social agencies of the county. Fee \$2. Prereq., 12 hrs. (2) TAYLOR, LOHRMAN

253. INSTITUTIONAL SOCIAL SERVICE. Interneship for staff training in correctional institutions and institutions for the care of children. The training program is under the immediate supervision of members of the professional staff of the institution and a member of the department. Prereq., 12 hrs. (5) JEDDELOH

255. INTERNESHIP TRAINING IN JUVENILE COURTS. This course includes regular full-time staff duties in juvenile courts. Supplementary training will be given by officers of the courts and members of the department. Prereq., 12 hrs. (6) JEDDELOH

391. SEMINAR IN SOCIOLOGY. Prereq., 12 hrs.

(2-3) THE STAFF. ARRANGED

395. THESIS.

(4-8) THE STAFF

ZOOLOGY

3-4. GENERAL ZOOLOGY. A survey of zoological and biological principles. Chief topics: Organization and physiology of a typical animal; review of the animal kingdom including references to economic importance, habits, life histories; principles involved in the evolution of organisms and society; distribution and relation of animals to their environment; doctrine of evolution; principles of heredity. 4 lec. and 4 lab. Fee \$3. Course 4 may be taken concurrent with 3. (3) Course 3, FREY. M T T H F 8, 9

(3) Course 4, GIER. M T T H F 10, 11

103. READINGS IN BIOLOGY. A course for students interested in advances in biological fact and thought, especially as applied to the field of human affairs. Fee \$1. Prereq., 2 or 4, or high school Biology.

(1) THE STAFF. ARRANGED

107. PRINCIPLES OF HEREDITY. An introduction to heredity. Fundamental principles and mechanism of heredity and a review of what is known regarding heredity in man. Consideration of practical applications to heredity in social welfare, public affairs, and race betterment. Prereq., 2 or 4, or 6 hrs. Botany. (3) GIER. DAILY 9

112. COMPARATIVE VERTEBRATE ANATOMY. A comparative study of the skeleton and organ systems of selected vertebrates such as the shark, frog, turtle, and mammal. 4 lec. and 8 lab. Fee \$4. Prereq., 4.

(4) ELLIOTT. DAILY 8, 9

118. ORNITHOLOGY. A general study of birds, emphasizing identification, migration, life histories, and economic value of birds. Field trips are taken to identify the birds of the vicinity. 4 lec. and 4 lab. or field work. Fee \$3. Prereq., 2 or 4.

(3) GIER. M T H F 7, 8

128. HISTOLOGY. A study of tissues illustrated by vertebrate material to acquaint the student with the finer structure of the skeletal, muscular, digestive, circulatory, respiratory, urinary, reproductive, and nervous systems. 4 lec. and 8 lab. Fee \$4. Prereq., 112 or 115.

(4) ELLIOTT. DAILY 7, 8

145. CLINICAL TECHNIC. The theory and practice of making various tests used in laboratories of clinical pathology: blood counts, blood matching and typing, blood chemistry, urinalysis, gastric analysis, sputum examinations, functional tests, serological methods including Wasserman's, applied bacteriology, and the making of vaccines. Fee \$1 for each credit hour. Prereq., 211 and permission.

(2-8) FREY. ARRANGED

201. VERTEBRATE EMBRYOLOGY. The development of vertebrates illustrated by the chick and the pig. A preliminary consideration of fertilization and maturation followed by a study of the formation of foetal membranes and the development of the various organs. 4 lec. and 8 lab. Fee \$4. Prereq., 112.

(4) ELLIOTT. DAILY 10, 11

211. GENERAL BACTERIOLOGY. A study of the structure, classification, and relationships of bacteria, preparation of cultures, staining technic, and biochemical reactions. 4 lec. and 8 lab. Fee \$5. Prereq., 2 or 4 and Chemistry 115. Not open for graduate credit to majors in bacteriology.

(4) FREY. DAILY 10, 11

234. AQUATIC MANAGEMENT. A practical course dealing with the manipulation of the natural factors affecting a maximum sustained yield of our aquatic resources. Includes applications of limnology and ichthyology, with emphasis on ecological relationships and habitat preferences of aquatic organisms. 1 lec. and 4 lab. Fee \$3. Prereq., 228 or 233.

(3) ROACH. ARRANGED

243. BIOLOGICAL STUDIES. Semi-independent studies under the guidance of an instructor. Fee \$1 for each credit hour. Prereq., 10 hrs. and permission. (2-8 in any of following groups) ELLIOTT, GIER. ARRANGED

a. BACTERIOLOGY—studies in water, dairy, and pathogenic bacteriology, and in serology. FREY

b. ECOLOGY—field and laboratory studies of the relation between animals and their surroundings. GIER

h. READINGS IN BIOLOGY—readings dealing with biological history, theory, and advances.

i. TECHNICIANS' METHODS—technic and theory of blood, urine, gastric analysis, fecal examination, and serological methods. FREY

j. VERTEBRATE ZOOLOGY—classification, economic control, embryology, gross and microscopic anatomy of vertebrates.

381. RESEARCH IN BIOLOGY. Research work in bacteriology, ecology, zoology, and vertebrate zoology. This course fulfills thesis requirements. Fee \$1 for each credit hour. Prereq., 20 hrs. and permission.

(2-8) THE STAFF. ARRANGED



THE POST SUMMER SESSION

The post summer session, now in its fourth year, continues in purpose as originally and is organized to make it possible for students to study intensively. The session is three weeks in length. Three credit hours only may be earned by a student. The registration is \$5.00 for each credit hour. No student teaching is offered in the post summer session.

The course offerings in this session are of necessity much restricted. Courses are being offered to furnish opportunities for study in these fields where experience has shown student needs to be the greatest. Emphasis throughout has been to enable advanced undergraduate and graduate students to answer degree and residence requirements. In general, those three hour courses which do not secure registrations totaling eighteen credit hours will be discontinued. Research courses are offered in certain departments in which students may register for a minimum number of hours.

The post session is an integral part of the University year, having similar requirements and standards of academic accomplishment. Credit obtained is fully recognized and may be counted toward fulfillment of requirements for the various degrees and diplomas which the University confers and awards. Some of the courses are the same as those offered during the other sessions of the year, but some are reserved as a matter of policy for the post session only.

Descriptions for those courses for which the titles only are listed in the following pages are to be found elsewhere in this bulletin.

Registration without penalty must be completed on Monday, August 8. Classes begin Monday afternoon in all courses. No registrations will be allowed after the close of day, August 9.

BOTANY

102. GENERAL BOTANY. See description for Botany 101. Fee \$3.

(3) BOETTICHER. DAILY 8, 9, 10

229. FIELD BOTANY. This work will be conducted as a graduate-undergraduate lake-laboratory course at Buckeye Lake, in and around which may be found more than three hundred species of plants representing more than sixty families. Opportunities for studies in ecology and taxonomy are excellent, and graduate students will find here varied and ample materials for research. The morning hours will be spent in lecture-field-laboratory practices; the afternoons will be free. Those desiring residence at the lake will find cottages or rooms in private homes available at reasonable rates. For those living near, daily transportation by auto, bus, or boat may be arranged. The expenses involved need not exceed those required in regular campus residence. No attendance on the campus is required. Registration should be completed at the University on Friday, August 5 or Saturday morning, August 6. Prereq., 1, 2 or 101, 102. Fee \$3 (3) MATHENY. DAILY 8, 9, 10

CIVIL ENGINEERING

110. PLANE SURVEYING. Surveying methods and methods of computation. Each student completes twenty field problems. Prereq., Math. 5.

(3) CLARK. DAILY 7-3

CLASSICAL LANGUAGES

LATIN

231. THE LIFE OF THE ROMANS. A study of the daily life and social customs of the Romans with special attentions to the monumental evidence in antiquities illustrative of Roman life. Prereq., 12 hrs. in Latin or in history and antiquities. (2) HILL. DAILY 10, 11

240. SPECIAL WORK IN LATIN. A translation course adapted to the needs of the class. Prereq., 103 or equivalent. (1) HILL. DAILY 9

ECONOMICS

175. THE NEW ROLE OF GOVERNMENT IN RECENT ECONOMIC DEVELOPMENT. A survey of the purpose and character of governmental action seeking, economic reform and recovery during recent years.

(3) CHURCH. DAILY 8, 9, 10

281. RESEARCH IN ECONOMICS. Prereq., 15 hrs. and permission.

(2-3) CHURCH. ARRANGED

EDUCATION

150. HISTORY OF MODERN ELEMENTARY EDUCATION.

(3) WAGNER. DAILY 8, 9, 10

240. SCHOOL ADMINISTRATION. Prereq., 3 hrs. and Psy. 5.

(3) SIAS. DAILY 8, 9, 10

254. COMPARATIVE EDUCATION. A course based upon the study of the national school system of western Europe. Prereq., 9 hrs. and Psy 5.

(3) DAILY 8, 9, 10

284. RESEARCH IN EDUCATION.

(2-3) THE STAFF. ARRANGED

ENGLISH

102. SOPHOMORE ENGLISH LITERATURE. See description for English 102.

(3) LASH. DAILY 8, 9, 10

250. BOOKS OF THE SEASON. An extensive reading course in the best books of the season. Prereq., 12 hrs.

(3) MACKINNON. DAILY 8, 9, 10

GEOGRAPHY

212. FIELD GEOGRAPHY. Three days lecture on the campus and fifteen days of field-work by bus through Michigan, Wisconsin, Minnesota, Illinois, and Indiana. Inter-relationships between man and his natural environment studied through actual field observation and contact make up the work of the trip.

Meals are to be secured individually en route. Club rates for lodging are available at good hotels and tourist camps averaging less than \$1.50 per person per day. The estimated total cost per person above tuition is \$100. The trip is contingent upon a registration of 25 students or more. Prereq., 6 hrs. (3) Dow

GOVERNMENT

2. AMERICAN GOVERNMENT. See description for Government 1.

(3) MORRISON. DAILY 8, 9, 10

HISTORY

242. THE BRITISH EMPIRE IN THE TWENTIETH CENTURY. Later developments in the British Empire, including a survey of the organization and structure of the Third Empire, the achievement of Dominion status and the evolution of the British Commonwealth of Nations.

(3) RICHARDSON. DAILY 8, 9, 10

INDUSTRIAL ARTS

1-2. ELEMENTARY WOODWORKING. The operation of hand and machine woodworking tools. Drawing and job sheets will be used in constructing projects. Fee \$3.

(3) McLAUGHLIN. DAILY 7:30-8:00

109-110. CABINET MAKING. Paneling, veneering, drawer construction, framing, and door fitting. The student works from blue prints and drawings. As the student advances, a difficult cabinet is constructed. Fee \$3. Prereq., 2.

(3) McLAUGHLIN. DAILY 7:30-8:00

Both of the above classes will consist of laboratory work and written reports, all work is carried on at the same time and in the same room.

PAINTING AND ALLIED ARTS

3. FUNDAMENTALS OF DESIGN.

(2) BEDFORD. DAILY 7, 8

- 60i. TEACHING OF DESIGN FOR INTERMEDIATE AND HIGHER GRADES.

(1) BEDFORD. DAILY 8, 9, 10

PSYCHOLOGY

5. EDUCATIONAL PSYCHOLOGY. See description for Psychology 5.

(3) LEHMAN. DAILY 8, 9, 10

203. MENTAL MEASUREMENTS. See description for Psychology 203. 2 lec., and 1 lab. arranged.

(3) SCOTT. DAILY 8, 9

225. MINOR PROBLEMS. See description for Psychology 225.

(2-3) PAULSEN OR SCOTT. ARRANGED

ROMANCE LANGUAGES

FRENCH

101s. or 102s. INTERMEDIATE FRENCH. See description for French 102s. Only one course will be given, according to the demand.

(3) WHITEHOUSE. DAILY 9, 10, 11

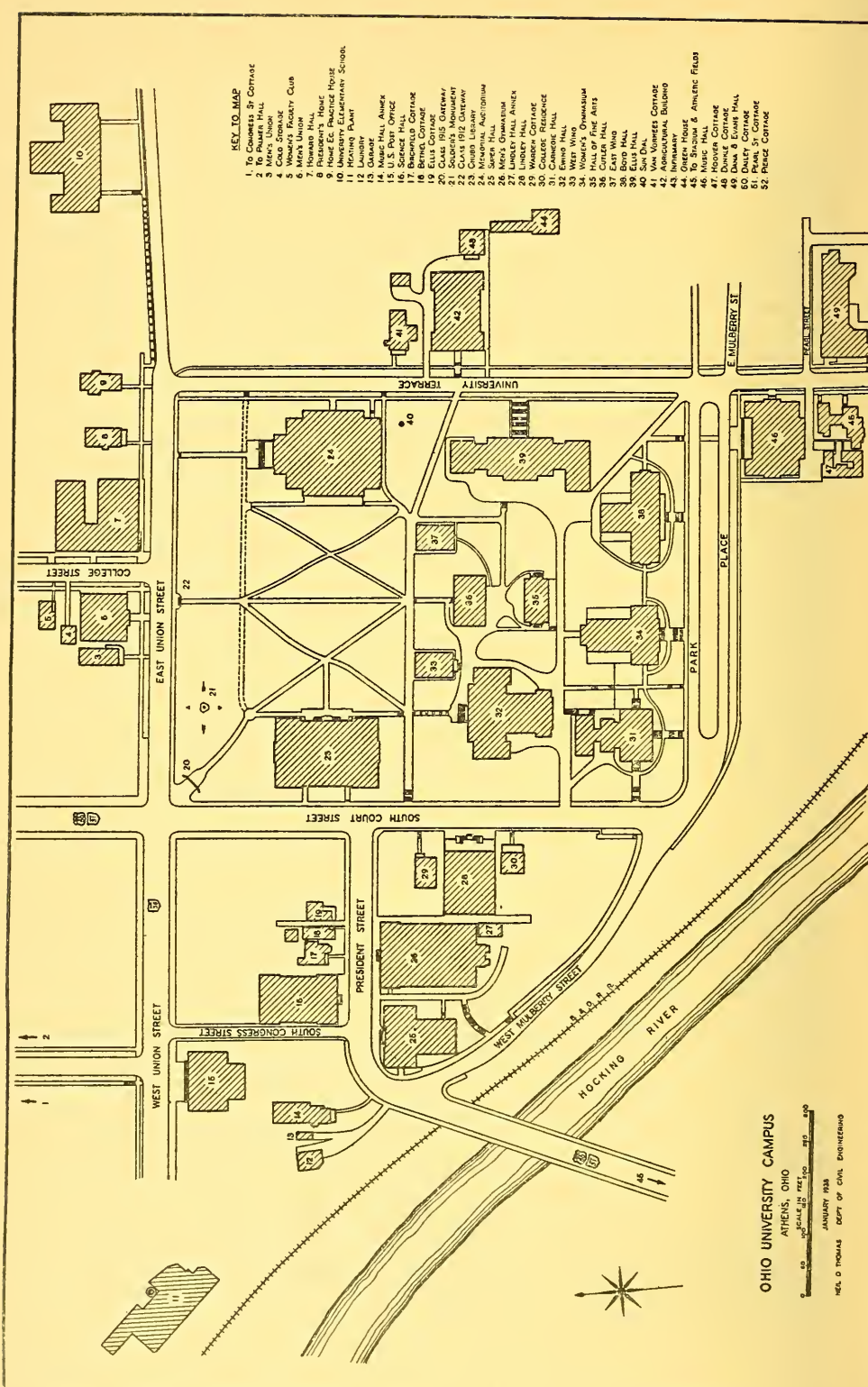
SOCIOLOGY

223. POVERTY AND ECONOMIC INSECURITY. Poverty and economic insecurity with emphasis on measures of treatment and prevention. Social insurance and recent legislation for social security in the United States. Prereq., 6 hrs.

(3) SHANNON. DAILY 8, 9, 10

INDEX

Administrative Officers	2, 3	General Regulations	12, 13
General	2	Geography and Geology	50
College and Other Units	3	German	50, 51
Admission	10	Government	51
Agriculture	37	Graduation	13
Alumni Association	21	History	51
Appointments, Bureau of	19	Home Economics	52
Audio-Visual Aid in Education		Industrial Arts	53
Institutes	20	Journalism	53
Botany	38	Living Accommodations	16
Certification for Teaching	22	Mathematics	54
Chemistry	38	Museum	18
Civil Engineering	39	Music	54
Classical Languages	39	Officers of Instruction	4
Commerce	40	Painting and Allied Arts	56
Accounting	40	Philosophy	57
Business Law	40	Physical Welfare, Dept. of Men	57
Business Management	40	Women	58
Economics	40	Physics	58
Finance	41	Post Session	64
Marketing	41	Psychology	59
Secretarial Studies	41	Reigstration	11
Statistics	41	Requirements in Field of Educ.	24
Conference on Social Change	20	Requirements for Teaching Majors	
Courses of Instruction	37	and Minors in Special	
Dramatic Art	42	Subjects	25
Education	42	Romance Languages	60
Kindergarten-Primary	42	French	60
Elementary Education	42, 43	Spanish	60
Special Education	43	Sociology	60
Secondary Education	43	Special Short Course and	
School Admin. and Sup.	43, 44	Conferences	19
History and Philosophy	44	Summer Music Organizations	21
Laboratory School Supervision ..	44	University Organization	26
Research and Scientific Tech.	44	Colleges and Degrees	26
Student Teaching and Prereq.	45	University College	27
Student Teaching and Obser-		College of Arts and Sciences	28
vation and Participation	46	The College of Education	28
Teaching Techniques	46, 47, 48	The College of Commerce	29
Educational Exhibit	20	The College of Applied Science ..	29
Electrical Engineering	48, 49	The College of Fine Arts	30
English	49, 50	The Graduate College	31
Facilities for Instruction and		University Extension	34
Special Advantages	18	Visiting Lecturers	6
Fees and Deposits	14	Zoology	61, 62
Foreword	9		
General Information	10		



KEY TO MAP

- 1 To Congress St Corral
- 2 To Congress St Corral
- 3 Men's Union
- 4 Cook Struble
- 5 Men's Athletic Club
- 6 Men's Union
- 7 Howard Hall
- 8 Howard Hall
- 9 House of the Good Hope
- 10 University Electrical School
- 11 Hocking Plant
- 12 Garage
- 13 Garage
- 14 Music Hall Annex
- 15 Music Hall
- 16 Science Hall
- 17 Backfield Cottage
- 18 Backfield Cottage
- 19 Ellis Cottage
- 20 Class B15 Gateway
- 21 Society of Mount
- 22 Class B15 Gateway
- 23 Class B15 Gateway
- 24 Men's Gymnasium
- 25 Men's Gymnasium
- 26 Men's Gymnasium
- 27 Under Hall Annex
- 28 Under Hall Annex
- 29 Under Hall Annex
- 30 College Residence
- 31 College Residence
- 32 College Residence
- 33 West Wing
- 34 Women's Gymnasium
- 35 Women's Gymnasium
- 36 Center Hall
- 37 East Wing
- 38 East Wing
- 39 East Wing
- 40 Sun Dial
- 41 Sun Dial
- 42 Sun Dial
- 43 Sun Dial
- 44 Sun Dial
- 45 Sun Dial
- 46 Sun Dial
- 47 Hoover Cottage
- 48 Hoover Cottage
- 49 Hoover Cottage
- 50 Hoover Cottage
- 51 Hoover Cottage
- 52 Hoover Cottage

OHIO UNIVERSITY CAMPUS

ATHENS, OHIO
 JANUARY 1933
 DESIGNED BY
 H. O. THOMAS
 DEPT. OF CIVIL ENGINEERING



